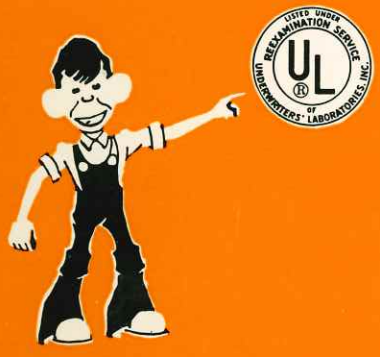
D26 Td D13-24

Received 6-25-1962

bulletin 821

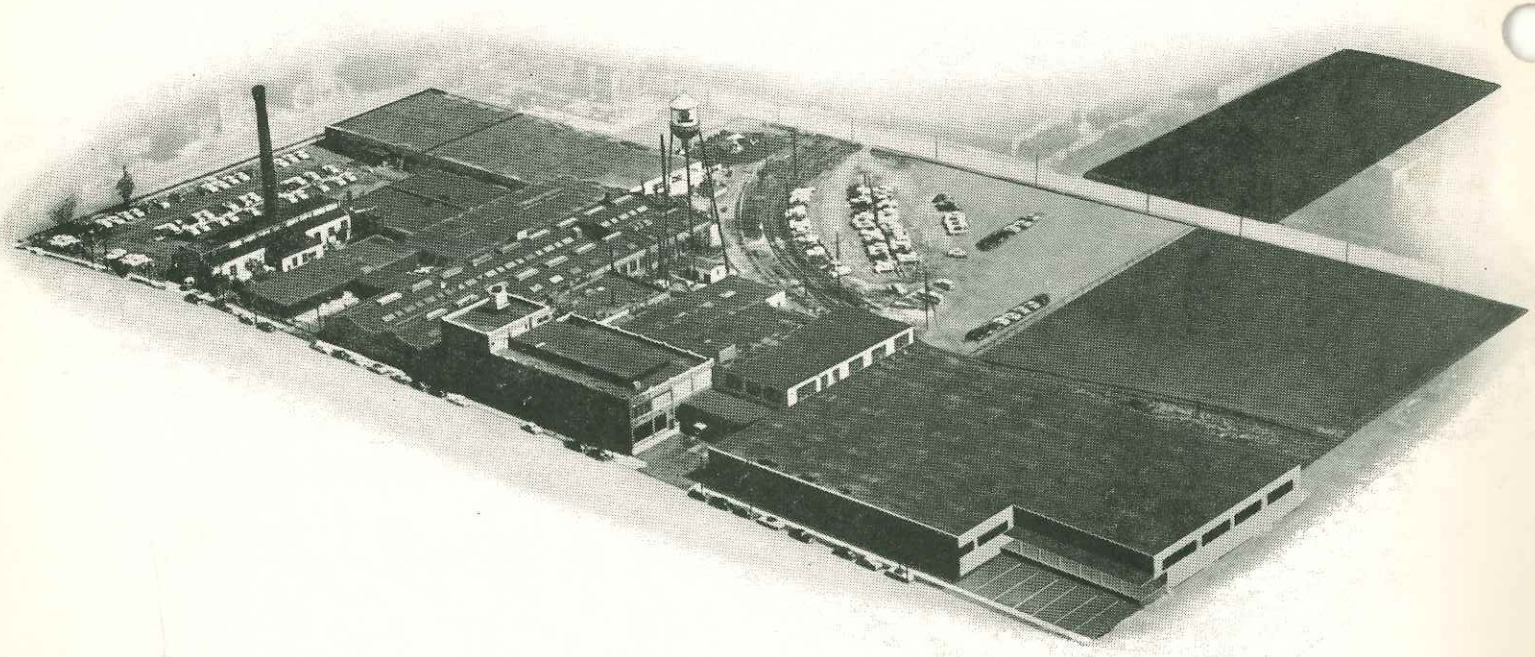
T&B ENGINEERED

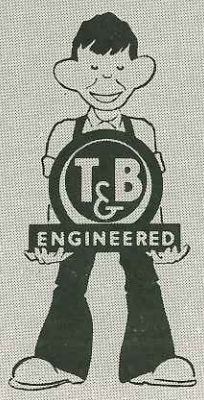
STA-KON®
pressure TERMINALS and CONNECTORS



THE THOMAS & BETTS CO.
INCORPORATED

ELIZABETH, NEW JERSEY
In Canada, Thomas & Betts, Ltd., Montreal





This is Reddy Fitter! The mythical practical electrician you find on T&B literature, explaining and demonstrating exclusive design features of T&B fittings, which produce highest performance, at lowest installed cost.

an invitation

The Thomas & Betts Co. has been manufacturing and selling quality electrical fittings for well over a half century. Our product line has never been static and we are proud of the advances we have accomplished in the field of electrical connection.

It is with the same pride that we invite you to visit our plant should you be in our vicinity. You will find a building containing modern manufacturing facilities and an atmosphere of accomplishment behind a mellowed brick facade.

We are hopeful that this catalog will satisfy your immediate need for product information on STA-KON Terminals and connectors. If you have any questions related to these, or any other of our products, a nearby T & B service office will welcome your call.

the T & B plan

More than 50 years' experience has convinced The Thomas & Betts Co. that Wholesaler Distribution reduces the Manufacturer's selling cost and thereby reduces the selling price of electrical supply material to the user. Therefore, our policy is to distribute T & B products exclusively through the Electrical Wholesaler. During depressions, wars, or prosperity, exclusively wholesale distribution has proved its soundness by the benefits and resultant savings it has accrued.

you benefit

When T & B products are specified and ultimately purchased by you, our distribution plan serves and saves at each step. The electrical distributor is an expert in buying and stocking not only our products but those of other reliable manufacturers in allied fields. By being your warehouse, delivering what you want when you want and extending credit, he accomplishes these important marketing functions more economically than either you or we can. The benefits realized from the economies of this plan of distribution accrue to you in the form of lower cost, superior quality and more efficient service.

The distributor frees you from the buying and stocking chores ordinarily associated with the specification and installation of electrical equipment.

we benefit

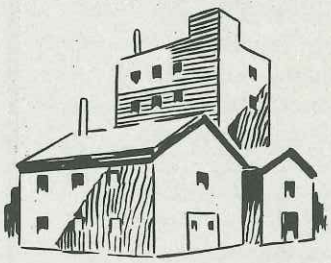
Our electrical wholesale distributor performs the necessary functions of warehousing, selling, credit, etc., in many thousands of transactions, more economically than we could ourselves. In addition, our sales force can be kept keen and efficient because the local distributor's salesmen keep in touch with your immediate problems daily.

The distributor frees us from important details to do the work we do best: the design and manufacture of quality electrical fittings for *lowest installed cost.*

our distributors

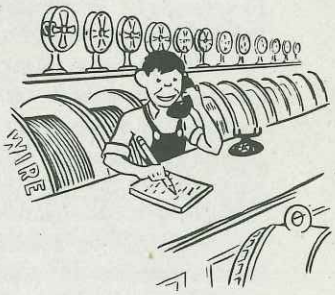
save us

warehouses

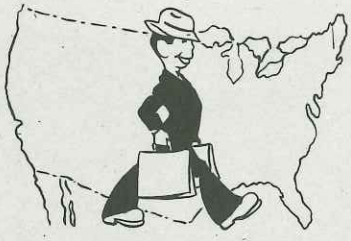


give you

expert buying service



salesmen

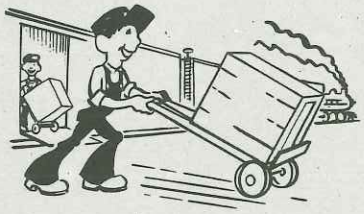


low cost stocking

clerical help

credit

shipping expenses



timely delivery

reliable connections through terminal plus tool

Today, the great dependence placed on the increased number of electrical connections in all types of industrial, commercial, and military equipment demands the use of a simple, permanent, economical terminal. A T&B Sta-Kon terminal, when installed with the correct, especially designed tool, results in a connection which offers complete reliability under the most severe operating conditions. No flame, heat, or fluxing agents are necessary; a single staking operation with T&B installing tools—hand or power type—stakes the terminal to solid or stranded wire perfectly, without damage to the conductor or its insulation. Self-insulated Sta-Kon terminals bring further economies where connections to crowded terminal blocks may precipitate short circuits.

a Sta-Kon connection utilizing the *correct* terminal plus the *correct* tool assures:

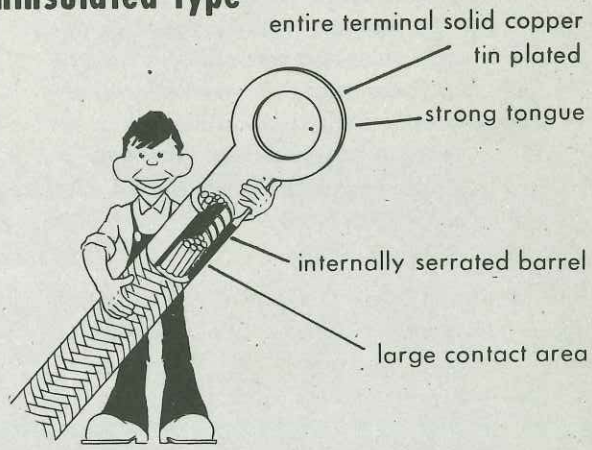
- —uniformity of installation
- —lowest installed cost
- —highest quality materials
- —speed and ease of installation
- —versatility
- —corrosion and vibration resistance
- —superior conductivity
- —low resistance
- —high tensile strength

the STA-KON terminal

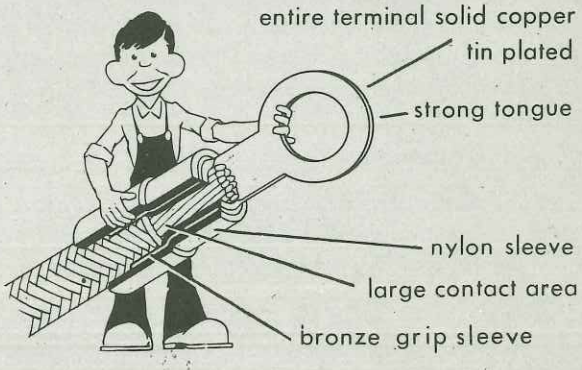
The Sta-Kon terminal design consists of barrel section into which conductor is staked, and a tongue with a bolt hole for attaching to equipment. The barrel is internally serrated to positively grip the wire. Tin plating assures freedom from corrosion.

The barrel, when staked by the tool, cannot return to its original shape and, because of the form of the indentation, constant spring-like pressure is exerted uniformly on the conductor. The area of contact is greater than the cross sectional area of the wire, assuring high conductivity. The insulated type utilizes the same principles as the uninsulated type but has a nylon sleeve covering the barrel and a short length of the conductor. A bronze sleeve serves to distribute any bending or vibration strain over the wire insulation.

uninsulated type



self-insulated type



the STA-KON tools

Sta-Kon tools range from the small plier types to the high speed air or hydraulic operated types. Each type is specifically designed for a purpose, whether for intermittent general shop use or for a production line set up. The larger hand types and power operated units have interchangeable dies to cover the complete range of Sta-Kon connector sizes and styles.

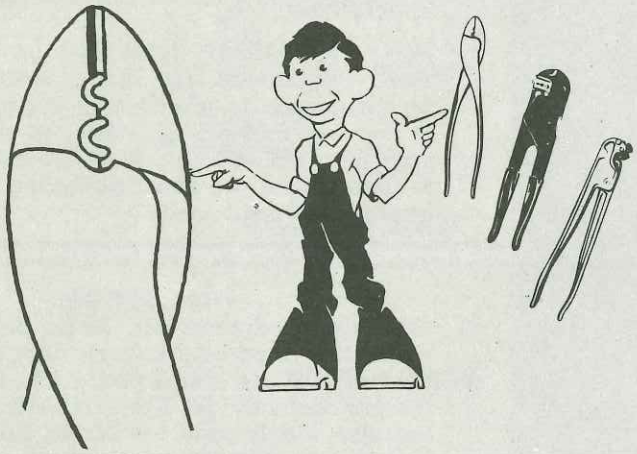
Each tool will produce the same, positive connection time after time, thereby guaranteeing uniformity and economy, even with unskilled employees.

the STA-KON connection

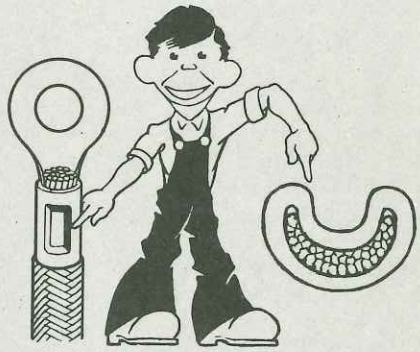
Precise compression during the staking operation produces a positive, intimate contact between the wire and the terminal. Due to the shape of the stake the barrel cannot return to its original form, thereby maintaining maximum contact throughout the life of the connection.

With the insulated types this same permanency of contact is maintained without any injury to the nylon insulation. The insulation remains uniformly thick and will meet all dielectric specifications and functions at temperatures up to 400°F without loss of insulating or mechanical qualities.

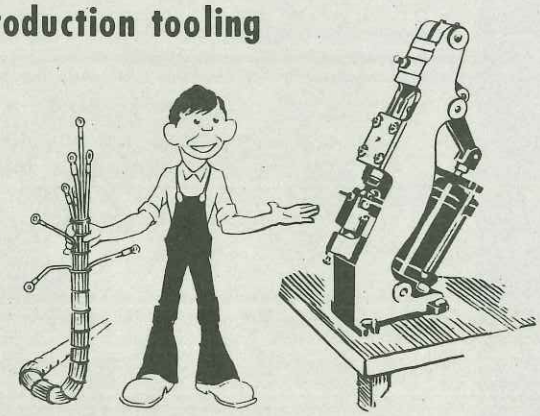
hand tooling



uninsulated type



production tooling



self-insulated type

a complete line

The products in this catalog cover most of the standard and some of the special STA-KON pressure terminals, connectors and tools. Many others are quickly available for special applications or to fit specific installations. Variations of standard terminals are also obtainable, such as forked, side slot and hook tongued or with the barrel bent ninety degrees to the tongue.

All T&B products bear Underwriters' Laboratories approval and many are listed by the Canadian Standards Association.

There is practically no terminal or wire connection problem which cannot be solved better and with lower installed cost by T&B products.

military specifications

A complete line of T&B terminals and connectors are produced especially to meet the high requirement standards of military specifications. Complete details are found in our Bulletin 63.

application assistance

Your local T&B distributor, T&B district representatives and our well qualified engineering staff are available to help you select the right STA-KON product. Their experience with all types of terminal and connector problems makes them particularly well suited to assist you. Not only will we fit the correct terminal or connector to the job but also recommend the best tool to be used to insure ease of installation and utmost economy.

stud size and clearance hole

Stud Size	Stud Diameter	Clearance Hole Diameter
4	.112	.116-.122
6	.138	.142-.152
8	.164	.169-.178
10	.190	.193-.203
12	.216	.221-.230
1/4	.250	.260-.285
5/16	.312	.320-.343
3/8	.375	.385-.410
7/16	.437	.447-.472
1/2	.500	.510-.535

STA-KON terminals

uninsulated

These are the lowest priced and offer the greatest variety of terminals. For general purpose use these terminals will fit most applications.

self-insulated

These nylon insulated terminals are recommended for temperatures up to 400°F. The tough, high dielectric nylon offers maximum protection in crowded locations. The insulation is color coded according to military standards for quick size and tool selection.

specialized

Many specialized terminals have been engineered and can readily be produced, or new designs made. If no regularly stocked item meets your requirements we will be pleased to consult with you about designing a type to suit your needs.

STA-KON connectors

Whether conductors are to be permanently joined or are to be disconnected, T&B can offer a product to do the job correctly. Sta-Kon connectors are also widely used for wiring subassemblies into larger units.

STA-KON installing tools

All of the Sta-Kon installing tools, dies and accessories are engineered to produce the same high quality pressure connector whether for manual application or production line assembly.

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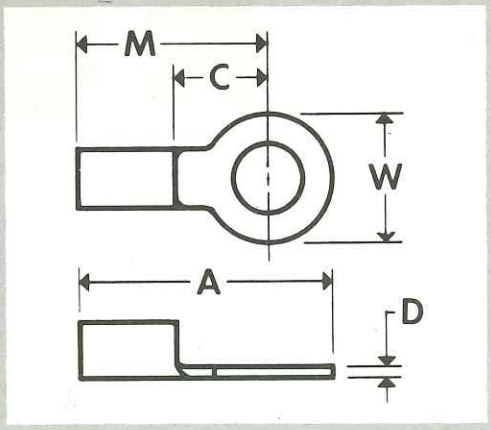
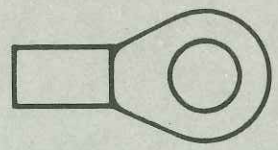
your T&B distributor serves and saves.

ring tongue





Note: Some catalog numbers in the A and B series are offered in this tongue shape.

wire range

22-18 A

AWG No. 22—18
Aircraft AN-22—AN-18

Any wire from
.025″ to .052″ diameter

UL listed for
No. 18 AWG

stud size	dimensions A	W	C	D	M	catalog numbers				
#4	.73	.31	.28	.03	.57	A7	A7F	A7S	A7H	A7U
#6	.68	.25	.26	.03	.55	A85	A85F	A85S	A85H	A85U
#6	.67	.25	.26	.03	.55	A122	A122F	A122S	A122H	A122U
#8	.73	.31	.28	.03	.57	A86	A86F	A86S	A86H	A86U
#8	.74	.33	.29	.03	.58	A123	A123F	A123S	A123H	A123U
#10	.73	.31	.28	.03	.57	A87	A87F	A87S	A87H	A87U
#10	.74	.33	.29	.03	.58	A124	A124F	A124S	A124H	A124U
1/4	.92	.50	.37	.03	.67	A71	A71F	A71S	A71H	A71U
1/4	.92	.50	.38	.03	.67	A126	A126F	A126S	A126H	A126U
5/16	.92	.50	.37	.03	.67	A72	A72F	A72S	A72H	A72U
3/8	1.02	.66	.40	.03	.69	A73	A73F	A73S	A73H	A73U
7/16	1.40	.72	.64	.03	1.04	A74	A74F	A74S	A74H	A74U
1/2	1.40	.72	.64	.03	1.04	A75	A75F	A75S	A75H	A75U
5/8	1.50	.83	.73	.03	1.09	A177	A177F	A177S	A177H	A177U
3/4	1.60	.99	.76	.03	1.12	A178	A178F	A178S	A178H	A178U

16-14 B

AWG No. 16-14
Aircraft AN-16, AN-14

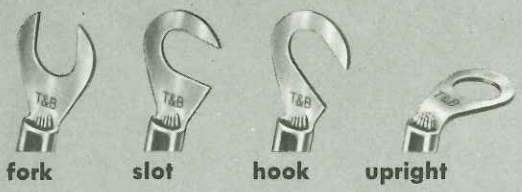
Any wire from
.032″ to .080″ diameter

UL listed for
No. 18—14 AWG

#4	.61	.25	.19	.03	.48	B132	B132F	B132S	B132H	B132U
#6	.61	.25	.19	.03	.48	B133	B133F	B133S	B133H	B133U
#6	.73	.31	.28	.03	.57	B85	B85F	B85S	B85H	B85U
#6	.73	.31	.28	.03	.57	B122	B122F	B122S	B122H	B122U
#8	.73	.31	.28	.03	.57	B86	B86F	B86S	B86H	B86U
#8	.73	.31	.28	.03	.57	B123	B123F	B123S	B123H	B123U
#10	.73	.31	.28	.03	.57	B87	B87F	B87S	B87H	B87U
#10	.73	.31	.28	.03	.57	B124	B124F	B124S	B124H	B124U
#10	.76	.38	.28	.03	.57	B34	B34F	B34S	B34H	B34U
#10	.76	.38	.28	.03	.57	B125	B125F	B125S	B125H	B125U
1/4	.93	.50	.38	.03	.68	B71	B71F	B71S	B71H	B71U
1/4	.93	.50	.38	.03	.68	B126	B126F	B126S	B126H	B126U
5/16	.93	.50	.38	.03	.68	B72	B72F	B72S	B72H	B72U
3/8	1.03	.66	.41	.03	.70	B73	B73F	B73S	B73H	B73U
7/16	1.06	.72	.44	.03	.70	B74	B74F	B74S	B74H	B74U
1/2	1.10	.75	.46	.03	.73	B75	B75F	B75S	B75H	B75U
5/8	1.50	.83	.73	.03	1.09	B177	B177F	B177S	B177H	B177U
3/4	1.60	.99	.76	.03	1.12	B178	B178F	B178S	B178H	B178U

other tongue variations

Sta-Kon terminals shown on these pages are also available with these tongue shapes.



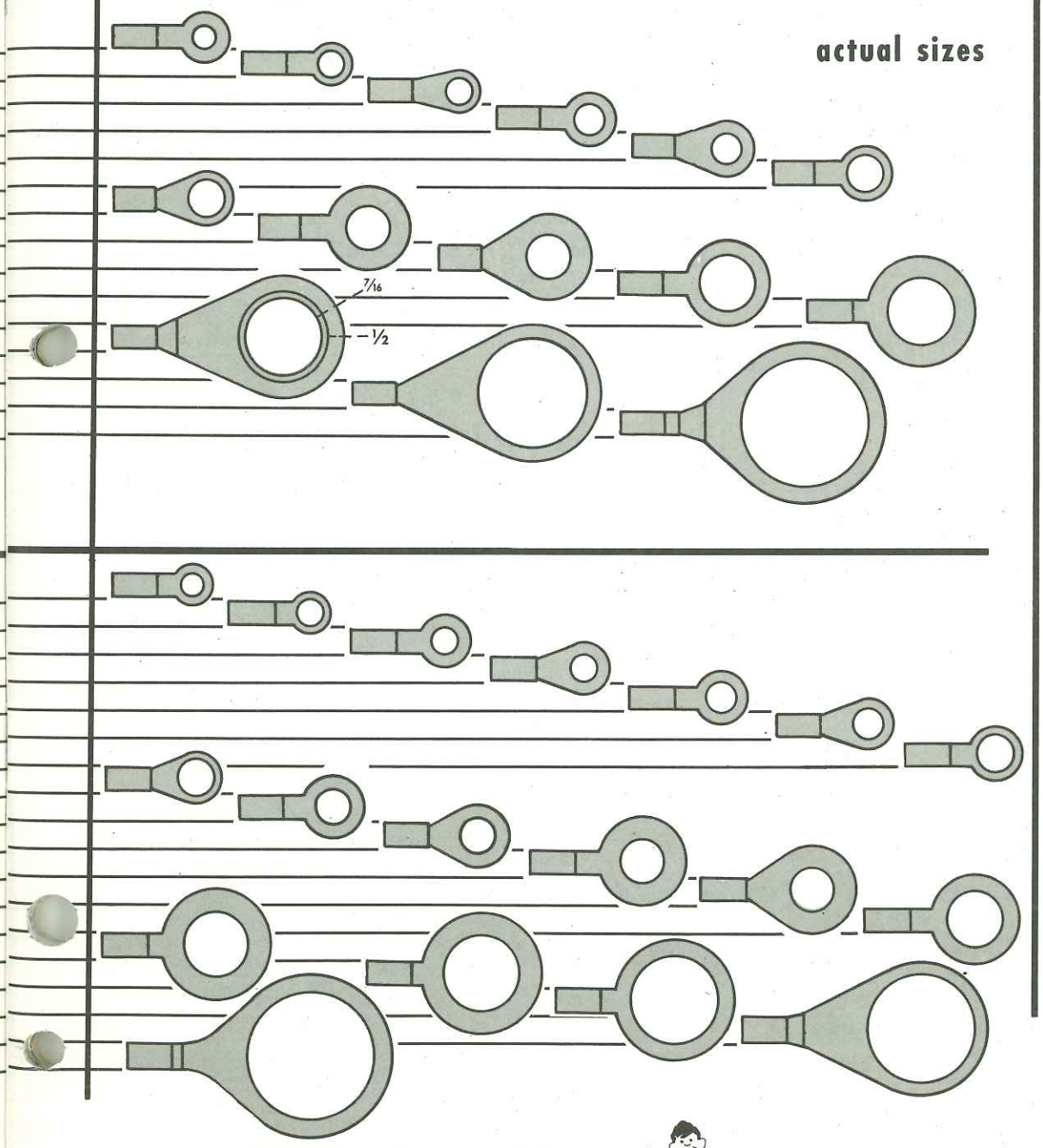
fork slot hook upright

(slot width is the same as the diameter of the stud hole)

self-insulated terminals:

For complete listing of self-insulated Sta-Kon terminals and connectors see pages 28–33.

actual sizes



installing tools

WT111M

WT130

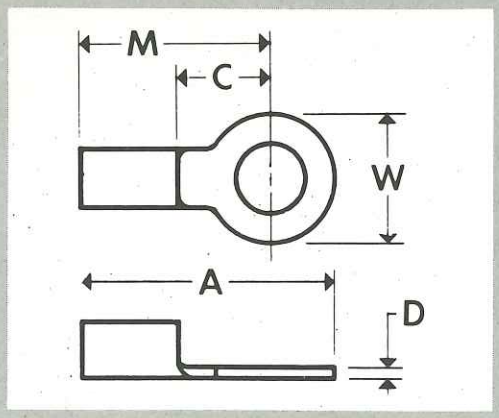
11931

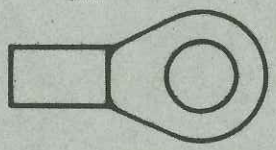
21070

For complete list of installing tools see pages 44–47.

your T&B distributor serves and saves.

ring tongue





Note: Some catalog numbers in the C and D series are offered in this tongue shape.

wire range

12-10 C

AWG No. 12-10
Aircraft AN-12, AN-10

Any wire from
.051″ to .125″ diameter

UL listed for
No. 16—10 AWG

stud size	dimensions A	W	C	D	M	catalog numbers				
#6	.79	.31	.27	.04	.63	C33	C33F	C33S	C33H	C33U
#6	.79	.31	.28	.04	.63	C122	C122F	C122S	C122H	C122U
#8	.79	.31	.27	.04	.63	C77	C77F	C77S	C77H	C77U
#8	.79	.31	.28	.04	.63	C123	C123F	C123S	C123H	C123U
#8	.82	.38	.27	.04	.63	C7	C7F	C7S	C7H	C7U
#10	.79	.31	.27	.04	.63	C36	C36F	C36S	C36H	C36U
#10	.79	.31	.28	.04	.63	C124	C124F	C124S	C124H	C124U
#10	.82	.38	.27	.04	.63	C26	C26F	C26S	C26H	C26U
#10	.82	.38	.28	.04	.63	C125	C125F	C125S	C125H	C125U
1/4	.98	.50	.37	.04	.73	C71	C71F	C71S	C71H	C71U
1/4	.98	.50	.38	.04	.73	C126	C126F	C126S	C126H	C126U
5/16	.98	.50	.37	.04	.73	C70	C70F	C70S	C70H	C70U
5/16	1.10	.59	.44	.04	.80	C72	C72F	C72S	C72H	C72U
3/8	1.10	.59	.44	.04	.80	C73	C73F	C73S	C73H	C73U
7/16	1.45	.81	.55	.04	1.05	C74	C74F	C74S	C74H	C74U
1/2	1.45	.81	.55	.04	1.05	C75	C75F	C75S	C75H	C75U
5/8	1.59	.95	.65	.04	1.12	C177	C177F	C177S	C177H	C177U
3/4	1.70	1.05	.68	.04	1.18	C178	C178F	C178S	C178H	C178U

9, 8, 7 D

AWG No. 7, 8, 9
Aircraft AN-8

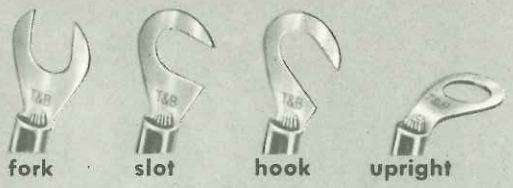
Any wire from
.123″ to .154″ diameter

UL listed for
7, 8, 9 AWG

#10	1.07	.41	.34	.06	.87	D26	D26F	D26S	D26H	D26U
#10	1.11	.47	.36	.06	.89	D36	D36F	D36S	D36H	D36U
1/4	1.11	.47	.36	.06	.89	D71	D71F	D71S	D71H	D71U
5/16	1.31	.59	.49	.06	1.03	D72	D72F	D72S	D72H	D72U
3/8	1.31	.59	.49	.06	1.03	D73	D73F	D73S	D73H	D73U
7/16	1.45	.81	.55	.06	1.08	D74	D74F	D74S	D74H	D74U
1/2	1.45	.81	.55	.06	1.08	D75	D75F	D75S	D75H	D75U

other tongue variations

Sta-Kon terminals shown on these pages are also available with these tongue shapes.



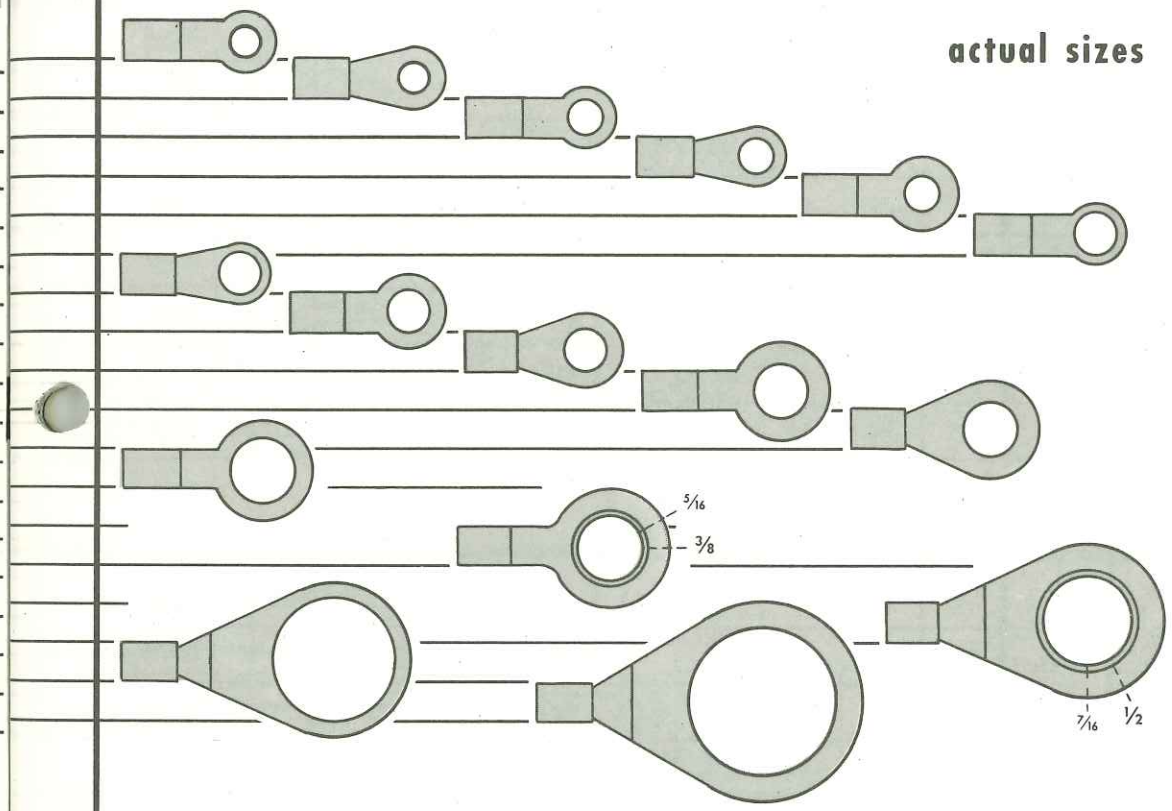
fork slot hook upright

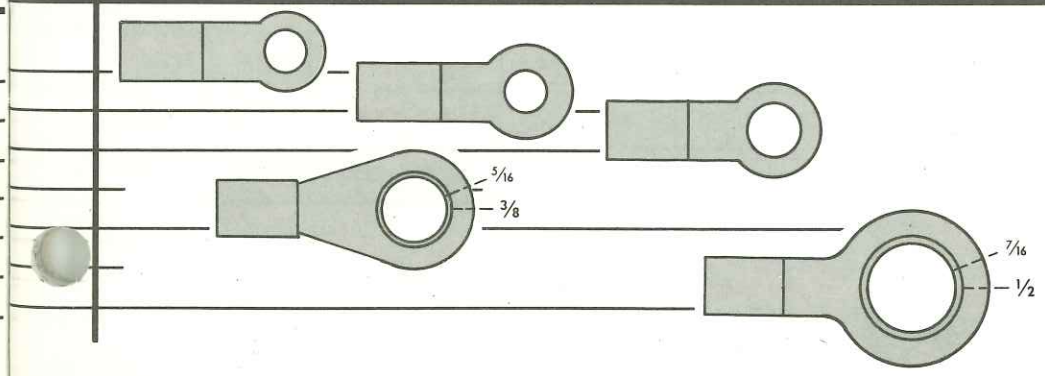
(slot width is the same as the diameter of the stud hole)

self-insulated terminals:

For complete listing of self-insulated Sta-Kon terminals and connectors see pages 28–33.

actual sizes





installing tools

WT111M

WT130

11931

21070

WT115

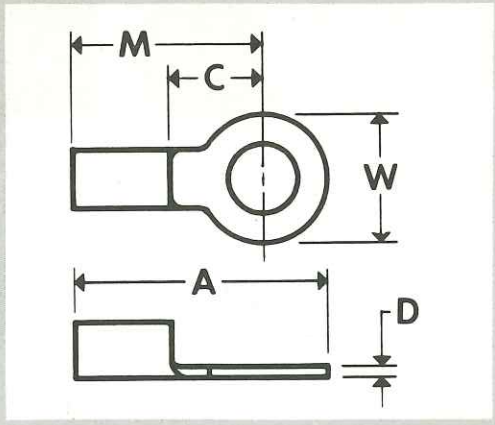
21072

For complete list of installing tools see pages 44–47.

your T&B distributor serves and saves.

ring tongue

patent pending ®



wire range

6, 5 E

AWG No. 6, 5
Aircraft AN-6

Any wire from
.169″ to .210″ diameter

UL listed for
No. 6, 5 AWG

stud size	dimensions A	W	C	D	M	catalog numbers				
#10	1.11	.47	.36	.06	.88	E26	E26F	E26S	E26H	E26U
¼	1.11	.47	.36	.06	.88	E71	E71F	E71S	E71H	E71U
5/16	1.28	.59	.49	.06	1.01	E72	E72F	E72S	E72H	E72U
⅜	1.28	.59	.49	.06	1.01	E73	E73F	E73S	E73H	E73U
7/16	1.45	.81	.55	.06	1.07	E74	E74F	E74S	E74H	E74U
½	1.45	.81	.55	.06	1.07	E75	E75F	E75S	E75H	E75U
⅝	1.77	.91	.66	.06	1.32	E177	E177F	E177S	E177H	E177U
¾	1.91	1.05	.66	.06	1.39	E178	E178F	E178S	E178H	E178U

4, 3 F

AWG No. 4, 3
Aircraft AN-4

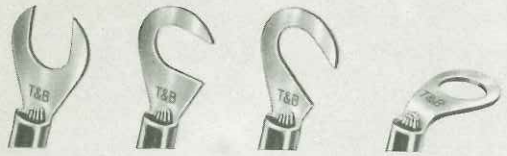
Any wire from
.219″ to .261″ diameter

UL listed for
No. 4, 3 AWG

#10	1.13	.47	.36	.07	.91	F26	F26F	F26S	F26H	F26U
¼	1.13	.47	.36	.07	.91	F71	F71F	F71S	F71H	F71U
5/16	1.33	.59	.49	.07	1.04	F72	F72F	F72S	F72H	F72U
⅜	1.33	.59	.49	.07	1.04	F73	F73F	F73S	F73H	F73U
7/16	1.50	.81	.55	.07	1.10	F74	F74F	F74S	F74H	F74U
½	1.50	.81	.55	.07	1.10	F75	F75F	F75S	F75H	F75U
⅝	1.82	.95	.66	.07	1.35	F177	F177F	F177S	F177H	F177U
¾	1.93	1.05	.66	.07	1.42	F178	F178F	F178S	F178H	F178U

other tongue variations

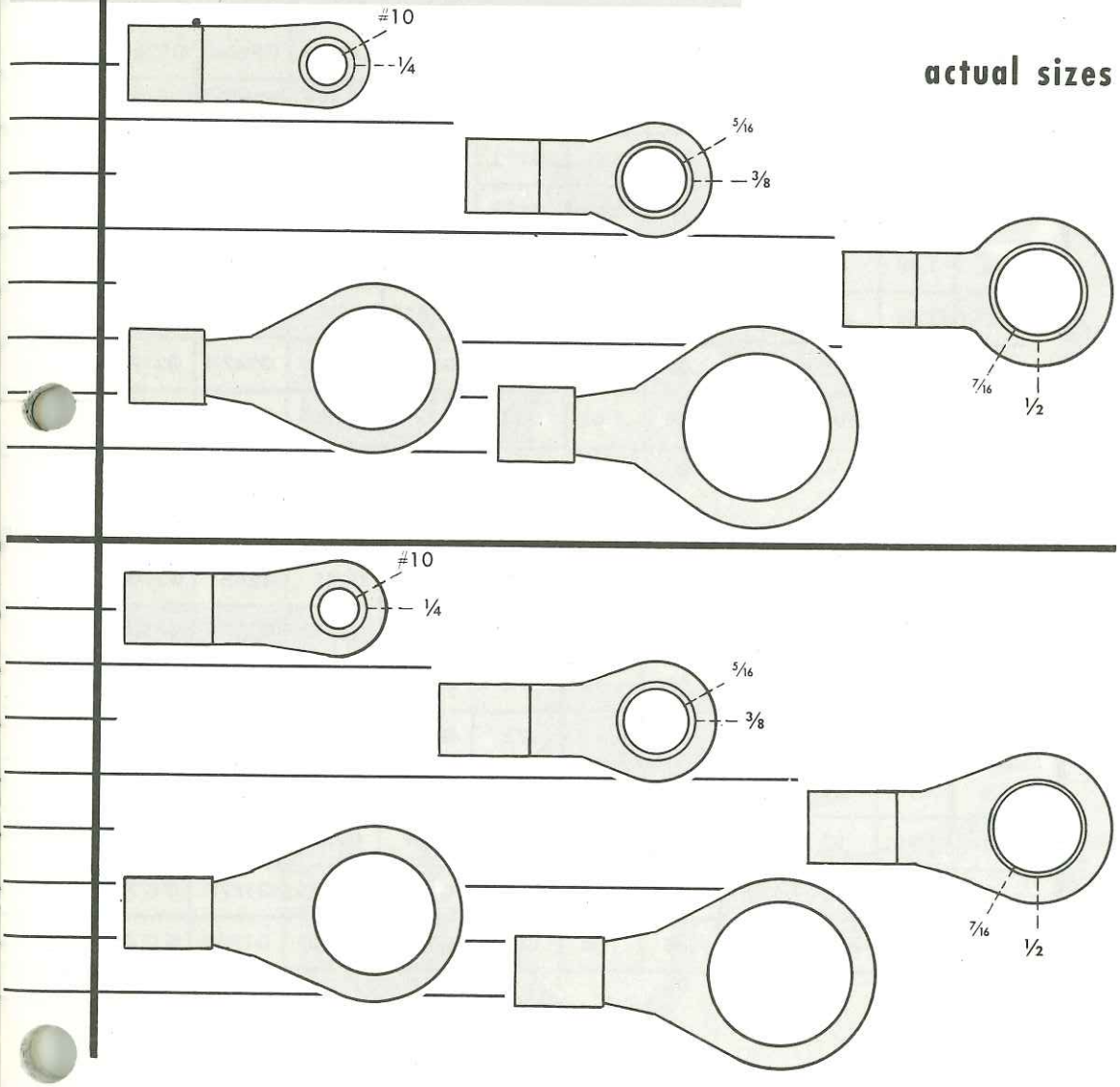
Sta-Kon terminals shown on these pages are also available with these tongue shapes.



fork slot hook upright

(slot width is the same as the diameter of the stud hole)

actual sizes



installing tools

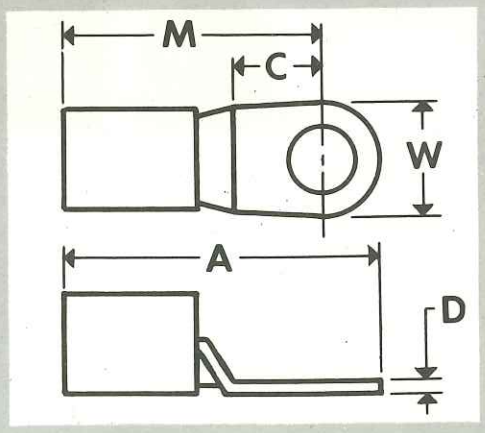
WT115

21072

For complete list of installing tools see pages 44–47.

ring tongue

patented ®



wire range

2 G

AWG No. 2

Any wire from .267″ to .297″ diameter

UL listed for No. 2 AWG

1 G

AWG No. 1
Aircraft AN-2

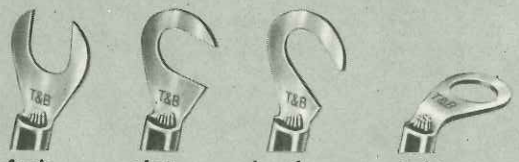
Any wire from .298″ to .355″ diameter

UL listed for No. 1 AWG

stud size	dimensions A	W	C	D	M	catalog numbers				
#10	1.62	.62	.39	.08	1.31	G236	G236F	G236S	G236H	G236U
¼	1.62	.62	.39	.08	1.31	G281	G281F	G281S	G281H	G281U
5/16	1.62	.62	.39	.08	1.31	G282	G282F	G282S	G282H	G282U
3/8	1.74	.68	.48	.08	1.40	G283	G283F	G283S	G283H	G283U
7/16	1.88	.81	.55	.08	1.47	G284	G284F	G284S	G284H	G284U
½	1.88	.81	.55	.08	1.47	G285	G285F	G285S	G285H	G285U
5/8	2.00	.95	.66	.08	1.53	G287	G287F	G287S	G287H	G287U
¾	2.12	1.03	.66	.08	1.61	G288	G288F	G288S	G288H	G288U
#10	1.66	.62	.39	.08	1.34	G26	G26F	G26S	G26H	G26U
¼	1.66	.62	.39	.08	1.34	G71	G71F	G71S	G71H	G71U
5/16	1.66	.62	.39	.08	1.34	G72	G72F	G72S	G72H	G72U
3/8	1.78	.69	.48	.08	1.44	G73	G73F	G73S	G73H	G73U
7/16	1.90	.82	.55	.08	1.49	G74	G74F	G74S	G74H	G74U
½	1.90	.82	.55	.08	1.49	G75	G75F	G75S	G75H	G75U
5/8	2.00	.95	.66	.08	1.53	G177	G177F	G177S	G177H	G177U
¾	2.12	1.03	.66	.08	1.61	G178	G178F	G178S	G178H	G178U

other tongue variations

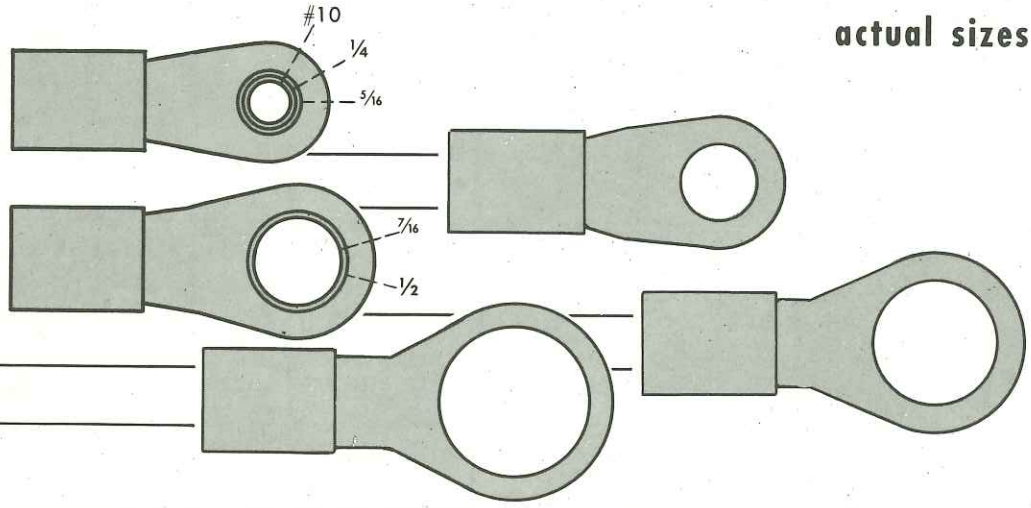
Sta-Kon terminals shown on these pages are also available with these tongue shapes:

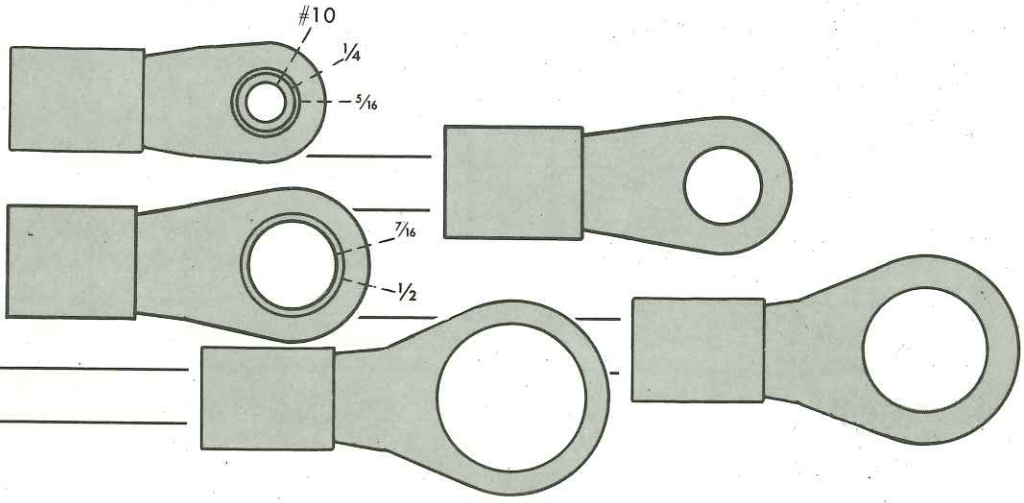


fork **slot** **hook** **upright**

(slot width is the same as the diameter of the stud hole)

actual sizes





installing tools

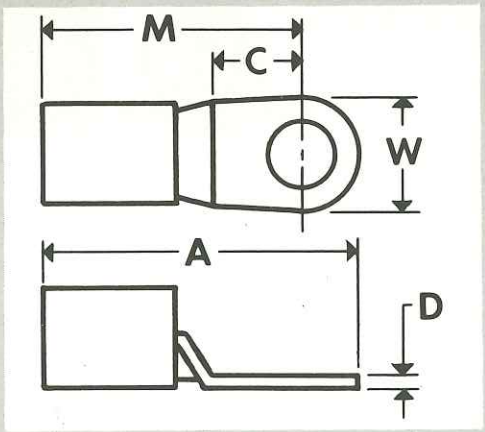
WT115

21072 or 21073

11031

For complete list of installing tools see pages 44–47.

ring tongue



wire range

1/0 **H**

AWG 1/0
Aircraft AN-1

Any wire from
.351″ to .390″ diameter

UL listed for
1/0 AWG

stud size	dimensions A	W	C	D	M	catalog numbers				
¼	1.64	.62	.41	.08	1.33	H71	H71F	H71S	H71H	H71U
5/16	1.64	.62	.41	.08	1.33	H72	H72F	H72S	H72H	H72U
⅜	1.76	.68	.50	.08	1.42	H73	H73F	H73S	H73H	H73U
7/16	1.89	.81	.56	.08	1.48	H74	H74F	H74S	H74H	H74U
½	1.89	.81	.56	.08	1.48	H75	H75F	H75S	H75H	H75U
⅝	2.02	.95	.66	.08	1.55	H177	H177F	H177S	H177H	H177U
¾	2.25	1.15	.72	.08	1.68	H178	H178F	H178S	H178H	H178U

2/0 **J**

AWG 2/0
Aircraft AN-0

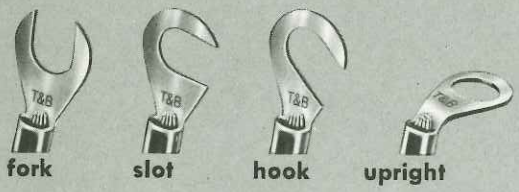
Any wire from
.379″ to .440″ diameter

UL listed for
2/0 AWG

¼	1.78	.62	.39	.09	1.47	J71	J71F	J71S	J71H	J71U
5/16	1.78	.62	.39	.09	1.47	J72	J72F	J72S	J72H	J72U
⅜	1.94	.75	.48	.09	1.56	J73	J73F	J73S	J73H	J73U
7/16	2.07	.88	.55	.09	1.63	J74	J74F	J74S	J74H	J74U
½	2.07	.88	.55	.09	1.63	J75	J75F	J75S	J75H	J75U
⅝	2.22	1.00	.66	.09	1.72	J177	J177F	J177S	J177H	J177U
¾	2.42	1.22	.72	.09	1.82	J178	J178F	J178S	J178H	J178U

other tongue variations

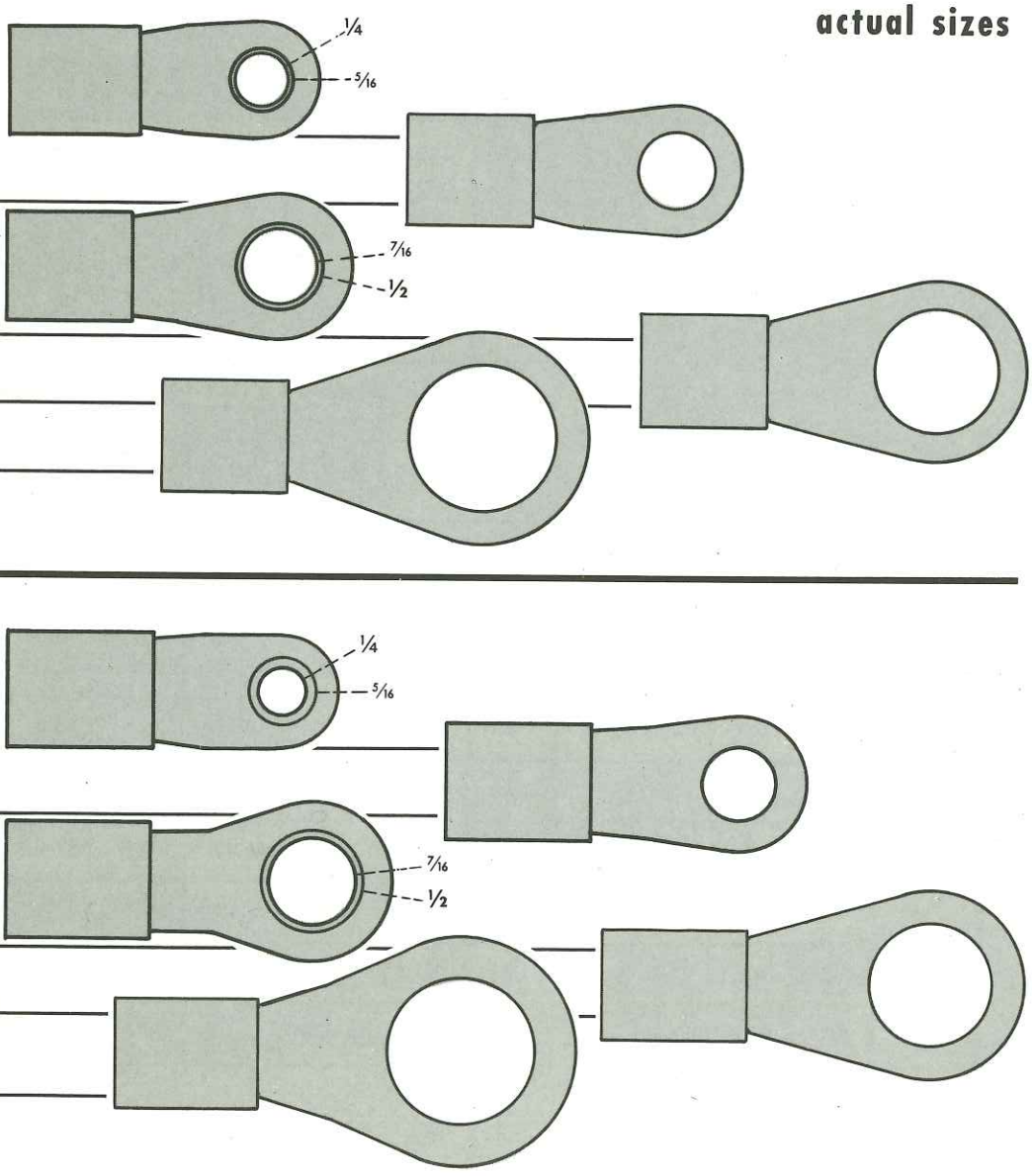
Sta-Kon terminals shown on these pages are also available with these tongue shapes.



fork slot hook upright

(slot width is the same as the diameter of the stud hole)

actual sizes



installing tools

WT127

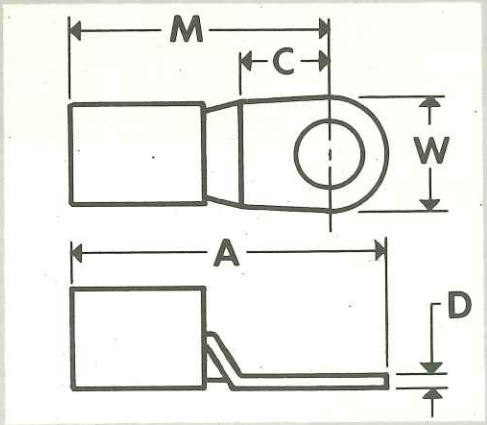
21073

11031

For complete list of installing tools see pages 44–47.

your T&B distributor serves and saves.

ring tongue



wire range

3/0 K

AWG 3/0
Aircraft AN-00

Any wire from
.431″ to .500″ diameter

UL listed for
3/0 AWG

stud size	dimensions A	W	C	D	M	catalog numbers				
¼	1.91	.75	.35	.10	1.53	K71	K71F	K71S	K71H	K71U
5/16	1.91	.75	.35	.10	1.53	K72	K72F	K72S	K72H	K72U
⅜	2.00	.75	.43	.10	1.62	K73	K73F	K73S	K73H	K73U
7/16	2.13	.88	.51	.10	1.69	K74	K74F	K74S	K74H	K74U
½	2.13	.88	.51	.10	1.69	K75	K75F	K75S	K75H	K75U
⅝	2.33	1.00	.66	.10	1.83	K177	K177F	K177S	K177H	K177U
¾	2.54	1.19	.72	.10	1.95	K178	K178F	K178S	K178H	K178U

4/0 L

AWG 4/0
Aircraft AN-000

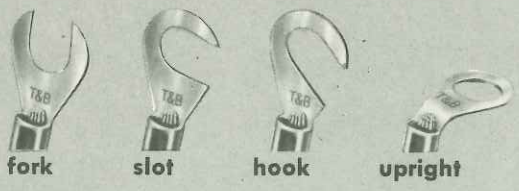
Any wire from
.491″ to .557″ diameter

UL listed for
4/0 AWG

¼	1.94	.78	.39	.10	1.55	L71	L71F	L71S	L71H	L71U
5/16	1.94	.78	.39	.10	1.55	L72	L72F	L72S	L72H	L72U
⅜	2.16	.88	.56	.10	1.72	L73	L73F	L73S	L73H	L73U
7/16	2.16	.88	.56	.10	1.72	L74	L74F	L74S	L74H	L74U
½	2.16	.88	.56	.10	1.72	L75	L75F	L75S	L75H	L75U
⅝	2.36	1.05	.66	.10	1.85	L177	L177F	L177S	L177H	L177U
¾	2.44	1.13	.66	.10	1.87	L178	L178F	L178S	L178H	L178U

other tongue variations

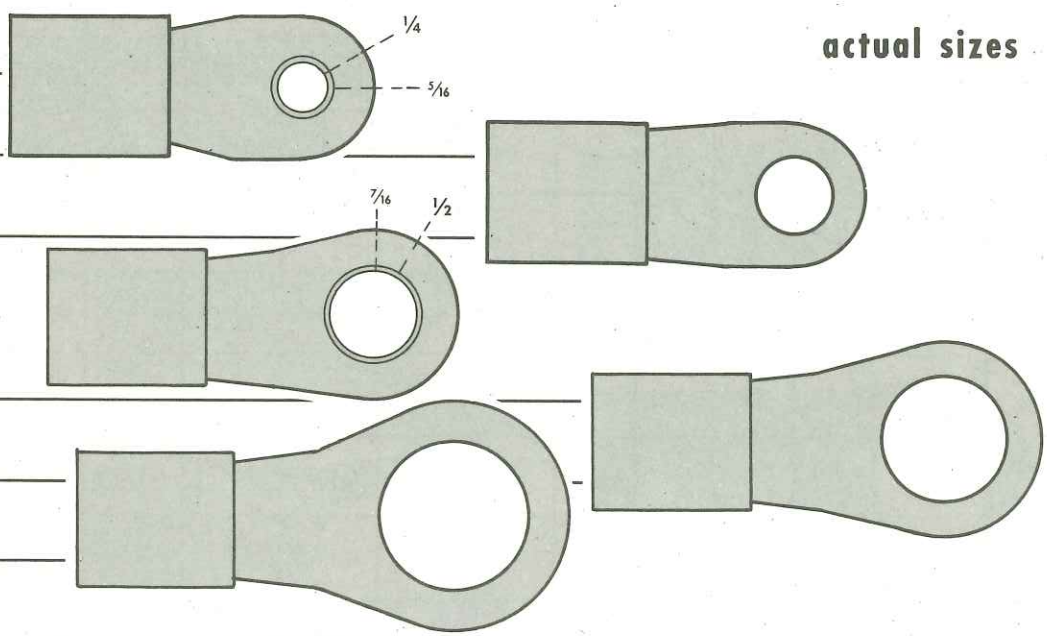
Sta-Kon terminals shown on these pages are also available with these tongue shapes.

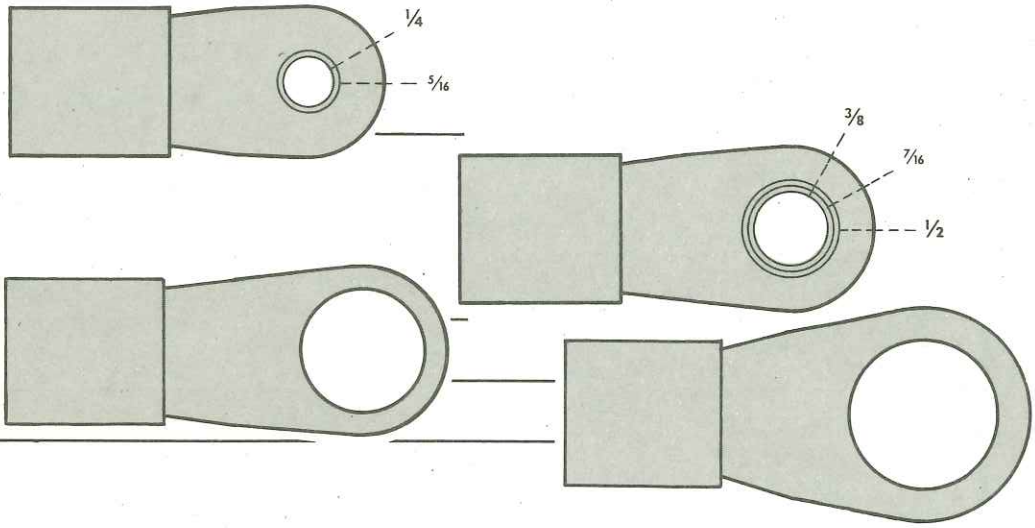


fork **slot** **hook** **upright**

(slot width is the same as the diameter of the stud hole)

actual sizes





installing tools

WT127

21073

11031

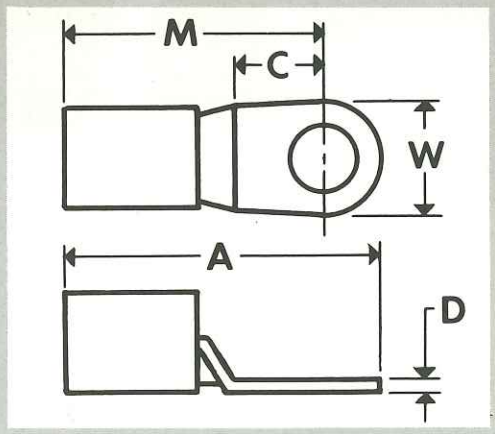
For complete list of installing tools see pages 44–47.

your T&B distributor serves and saves.

THOMAS & BETTS CAT. 1962 P. 20

ring tongue

patented



wire range

250MCM M

AWG 250 MCM
Aircraft AN-0000

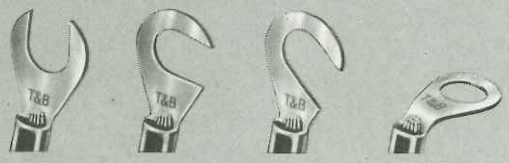
Any wire from
.549″ to .622″ diameter

UL listed for
250 MCM AWG

stud size	dimensions					catalog numbers				
	A	W	C	D	M					
¼	2.10	.88	.41	.11	1.66	M71	M71F	M71S	M71H	M71U
5/16	2.10	.88	.41	.11	1.66	M72	M72F	M72S	M72H	M72U
⅜	2.19	.88	.50	.11	1.75	M73	M73F	M73S	M73H	M73U
7/16	2.28	.94	.56	.11	1.81	M74	M74F	M74S	M74H	M74U
½	2.28	.94	.56	.11	1.81	M75	M75F	M75S	M75H	M75U
⅝	2.39	1.05	.66	.11	1.88	M177	M177F	M177S	M177H	M177U
¾	2.51	1.13	.66	.11	1.94	M178	M178F	M178S	M178H	M178U

other tongue variations

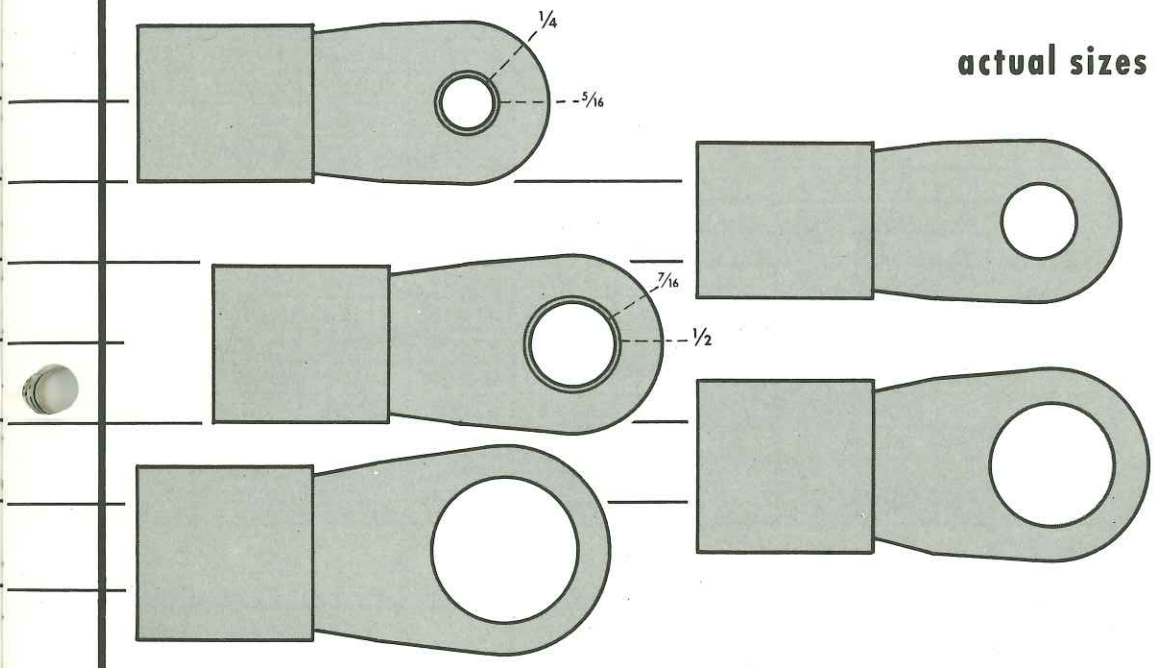
Sta-Kon terminals shown on these pages are also available with these tongue shapes.



fork **slot** **hook** **upright**

(slot width is the same as the diameter of the stud hole)

actual sizes



installing tools

WT127

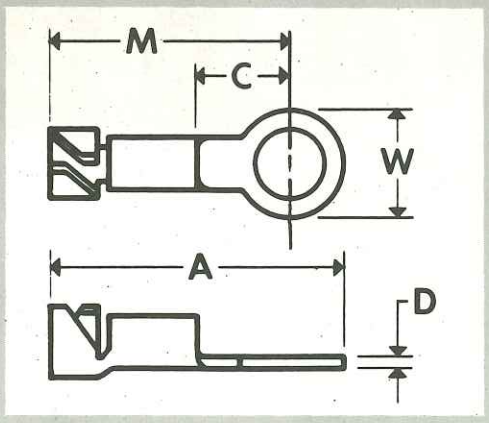
21073

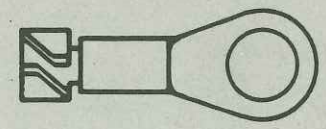
11031

For complete list of installing tools see pages 44–47.

ring tongue

with insulation grip





Note: Some catalog numbers in the A and B series are offered in this tongue shape.

wire range

22-18 A

AWG No. 22-18
Aircraft AN-22—AN-18

Any wire from
.025″ to .052″ diameter

Insulation grip
.078″ to .150″

UL listed for
No. 18 AWG

16-14 B

AWG No. 16-14
Aircraft AN-16, AN-14

Any wire from
.032″ to .080″ diameter

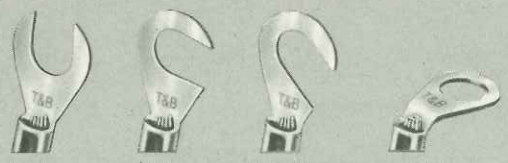
Insulation grip
.100″ to .187″

UL listed for
No. 18—14 AWG

stud size	dimensions A	W	C	D	M	catalog numbers				
#4	.89	.33	.29	.03	.72	A7G	A7GF	A7GS	A7GH	A7GU
#4	.78	.25	.22	.03	.65	A132G	A132GF	A132GS	A132GH	A132GU
#4	.75	.20	.22	.03	.65	A88G	A88GF	A88GS	A88GH	A88GU
#4	.87	.25	.28	.03	.71	A20G	A20GF	A20GS	A20GH	A20GU
#6	.81	.25	.27	.03	.69	A85G	A85GF	A85GS	A85GH	A85GU
#6	.81	.25	.26	.03	.69	A122G	A122GF	A122GS	A122GH	A122GU
#8	.89	.33	.29	.03	.72	A86G	A86GF	A86GS	A86GH	A86GU
#8	.88	.33	.29	.03	.72	A123G	A123GF	A123GS	A123GH	A123GU
#10	.89	.33	.29	.03	.72	A87G	A87GF	A87GS	A87GH	A87GU
#10	.88	.33	.29	.03	.72	A124G	A124GF	A124GS	A124GH	A124GU
¼	1.06	.50	.37	.03	.81	A71G	A71GF	A71GS	A71GH	A71GU
¼	1.06	.50	.38	.03	.81	A126G	A126GF	A126GS	A126GH	A126GU
5/16	1.06	.50	.37	.03	.81	A72G	A72GF	A72GS	A72GH	A72GU
3/8	1.17	.66	.40	.03	.84	A73G	A73GF	A73GS	A73GH	A73GU
7/16	1.53	.72	.64	.03	1.17	A74G	A74GF	A74GS	A74GH	A74GU
½	1.53	.72	.64	.03	1.17	A75G	A75GF	A75GS	A75GH	A75GU
#4	.75	.25	.19	.03	.62	B132G	B132GF	B132GS	B132GH	B132GU
#4	.87	.25	.28	.03	.71	B20G	B20GF	B20GS	B20GH	B20GU
#4	.86	.20	.17	.03	.71	B21G	B21GF	B21GS	B21GH	B21GU
#6	.75	.25	.19	.03	.62	B133G	B133GF	B133GS	B133GH	B133GU
#6	.87	.31	.28	.03	.71	B85G	B85GF	B85GS	B85GH	B85GU
#6	.87	.31	.28	.03	.72	B122G	B122GF	B122GS	B122GH	B122GU
#6	.87	.25	.28	.03	.71	B93G	B93GF	B93GS	B93GH	B93GU
#8	.87	.25	.28	.03	.71	B94G	B94GF	B94GS	B94GH	B94GU
#8	.87	.31	.28	.03	.71	B86G	B86GF	B86GS	B86GH	B86GU
#8	.87	.31	.28	.03	.72	B123G	B123GF	B123GS	B123GH	B123GU
#10	.87	.31	.28	.03	.71	B87G	B87GF	B87GS	B87GH	B87GU
#10	.87	.31	.28	.03	.72	B124G	B124GF	B124GS	B124GH	B124GU
#10	.90	.38	.28	.03	.71	B34G	B34GF	B34GS	B34GH	B34GU
#10	.90	.38	.28	.03	.72	B125G	B125GF	B125GS	B125GH	B125GU
¼	1.07	.50	.38	.03	.82	B71G	B71GF	B71GS	B71GH	B71GU
¼	1.07	.50	.38	.03	.82	B126G	B126GF	B126GS	B126GH	B126GU
5/16	1.07	.50	.38	.03	.82	B72G	B72GF	B72GS	B72GH	B72GU
3/8	1.17	.66	.41	.03	.84	B73G	B73GF	B73GS	B73GH	B73GU
7/16	1.20	.72	.44	.03	.84	B74G	B74GF	B74GS	B74GH	B74GU
½	1.24	.75	.46	.03	.87	B75G	B75GF	B75GS	B75GH	B75GU

other tongue variations

Sta-Kon terminals shown on these pages are also available with these tongue shapes.



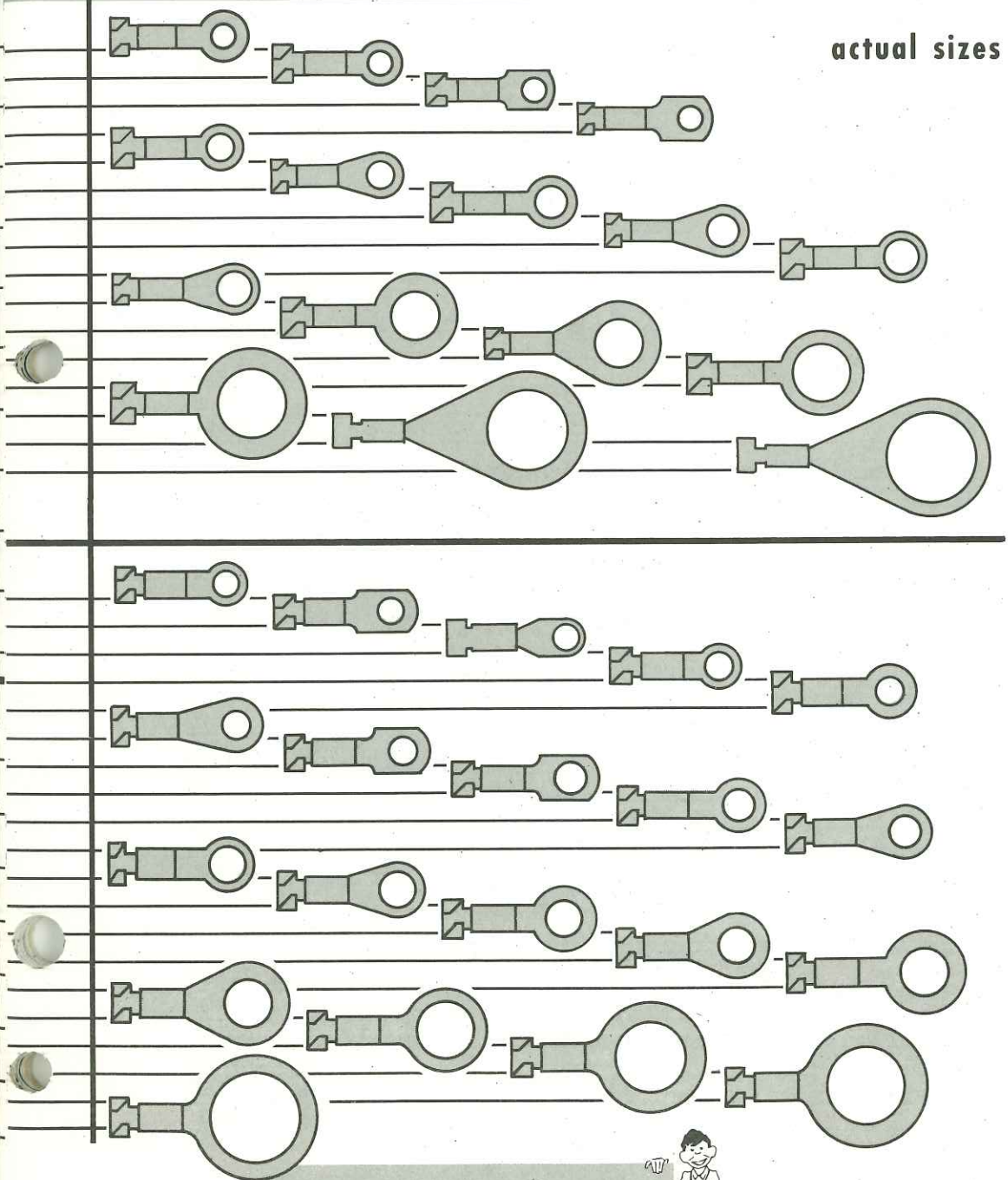
fork slot hook upright

(slot width is the same as the diameter of the stud hole)

self-insulated terminals:

For complete listing of self-insulated Sta-Kon terminals and connectors see pages 28–33.

actual sizes



installing tools

WT110M

WT135

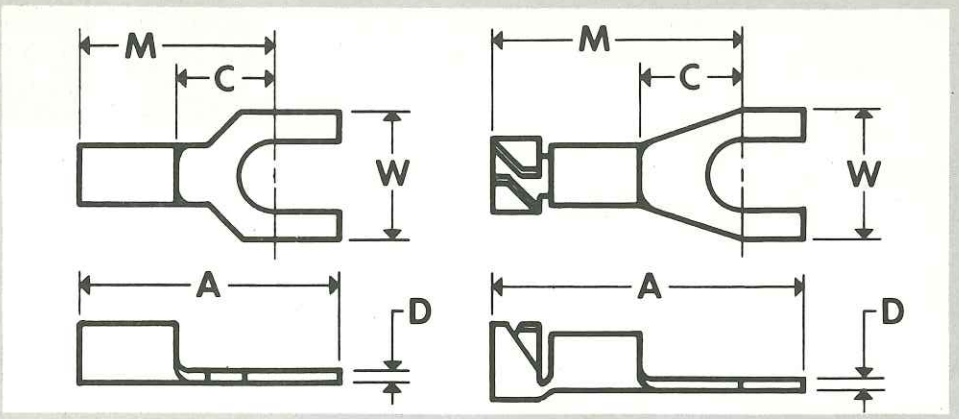
11939

21070G

For complete list of installing tools see pages 44–47.

your T&B distributor serves and saves.

forked tongue

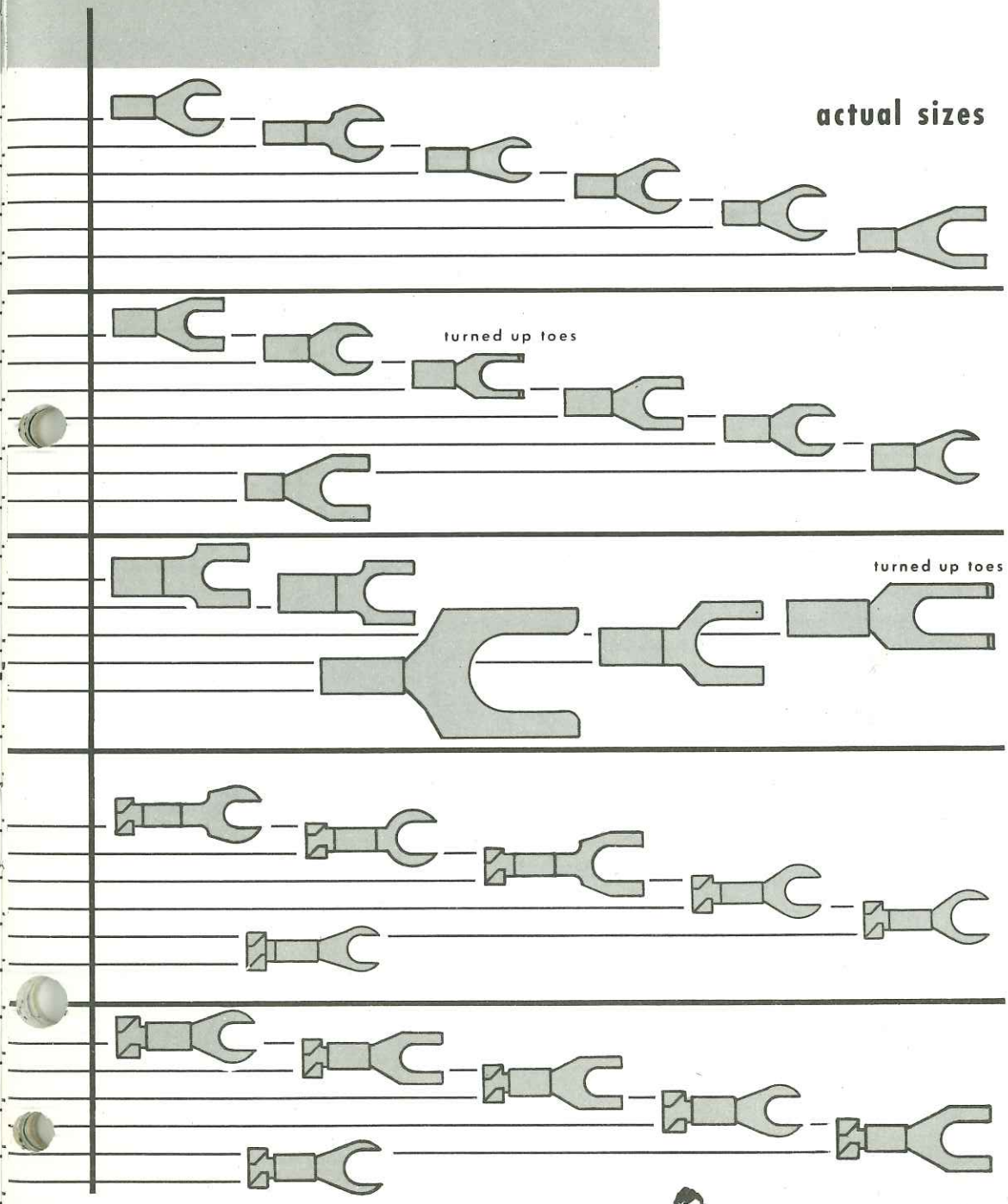


wire range	stud size	dimensions A	W	C	D	M	catalog numbers
22-18 A AWG No. 22-18. Aircraft AN-22, AN-18. Any wire from .025″ to .052″ diameter UL listed for No. 18 AWG	#6	.65	.33	.22	.03	.50	**A64**
	#6	.74	.38	.29	.03	.58	**A113**
	#6	.61	.25	.22	.03	.51	**A116**
	#8	.64	.33	.22	.03	.50	**A114**
	#10	.63	.33	.22	.03	.50	**A29**
	#10	.77	.38	.29	.03	.58	**A115**
16-14 B AWG No. 16-14 Aircraft AN-16, AN-14 Any wire from .032″ to .080″ diameter UL listed for No. 18-14 AWG	#6	.69	.30	.25	.03	.54	**B64**
	#6	.67	.30	.25	.03	.54	**B116**
	#6	.66	.25	.13	.06	.50	**B19**
	#8	.69	.30	.25	.03	.54	**B65**
	#8	.66	.30	.25	.03	.54	**B114**
	#10	.65	.30	.25	.03	.54	**B29**
	#10	.76	.38	.28	.03	.57	**B115**
12-10 C AWG No. 12-10 Aircraft AN-12, AN-10 Any wire from .051″ to .125″ diameter UL listed for No. 16-10 AWG	#8	.82	.38	.27	.04	.63	**C114**
	#10	.82	.38	.27	.04	.63	**C115**
	#10	1.25	.38	.38	.04	.88	**C120**
	¼	.98	.50	.37	.04	.73	**C116**
	7/16	1.56	.81	.63	.04	1.13	**C119**
insulation grip **22-18 A** Insulation grip .078″ to .150″ Other data same as 22-18 above.	#6	.88	.38	.29	.03	.72	**A113G**
	#8	.79	.33	.22	.03	.65	**A114G**
	#10	.91	.38	.29	.03	.72	**A115G**
	#6	.79	.33	.22	.03	.65	**A64G**
	#10	.79	.33	.22	.03	.65	**A29G**
	#6	.76	.25	.22	.03	.65	**A116G**
16-14 B Insulation grip .100″ to .187″ Other data same as 16-14 above.	#6	.81	.30	.25	.03	.68	**B116G**
	#6	.83	.30	.25	.03	.68	**B64G**
	#8	.83	.30	.25	.03	.68	**B65G**
	#8	.80	.30	.25	.03	.68	**B114G**
	#10	.90	.38	.28	.03	.71	**B115G**
	#10	.79	.30	.25	.03	.68	**B29G**

self-insulated terminals:

For complete listing of self-insulated Sta-Kon terminals and connectors see pages 28–33.

actual sizes



installing tools

WT110M

WT135

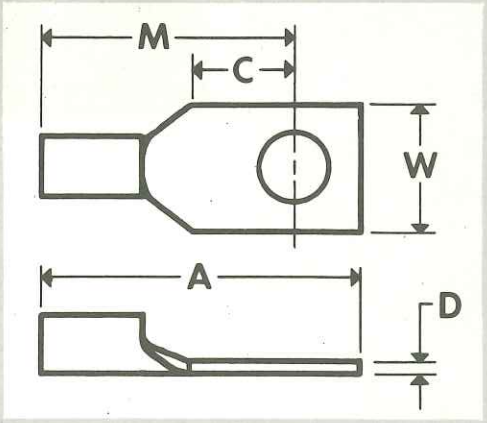
11939

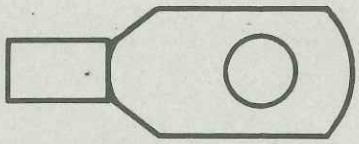
21070G

For complete list of installing tools see pages 44–47.

your T&B distributor serves and saves.

rectangular tongue





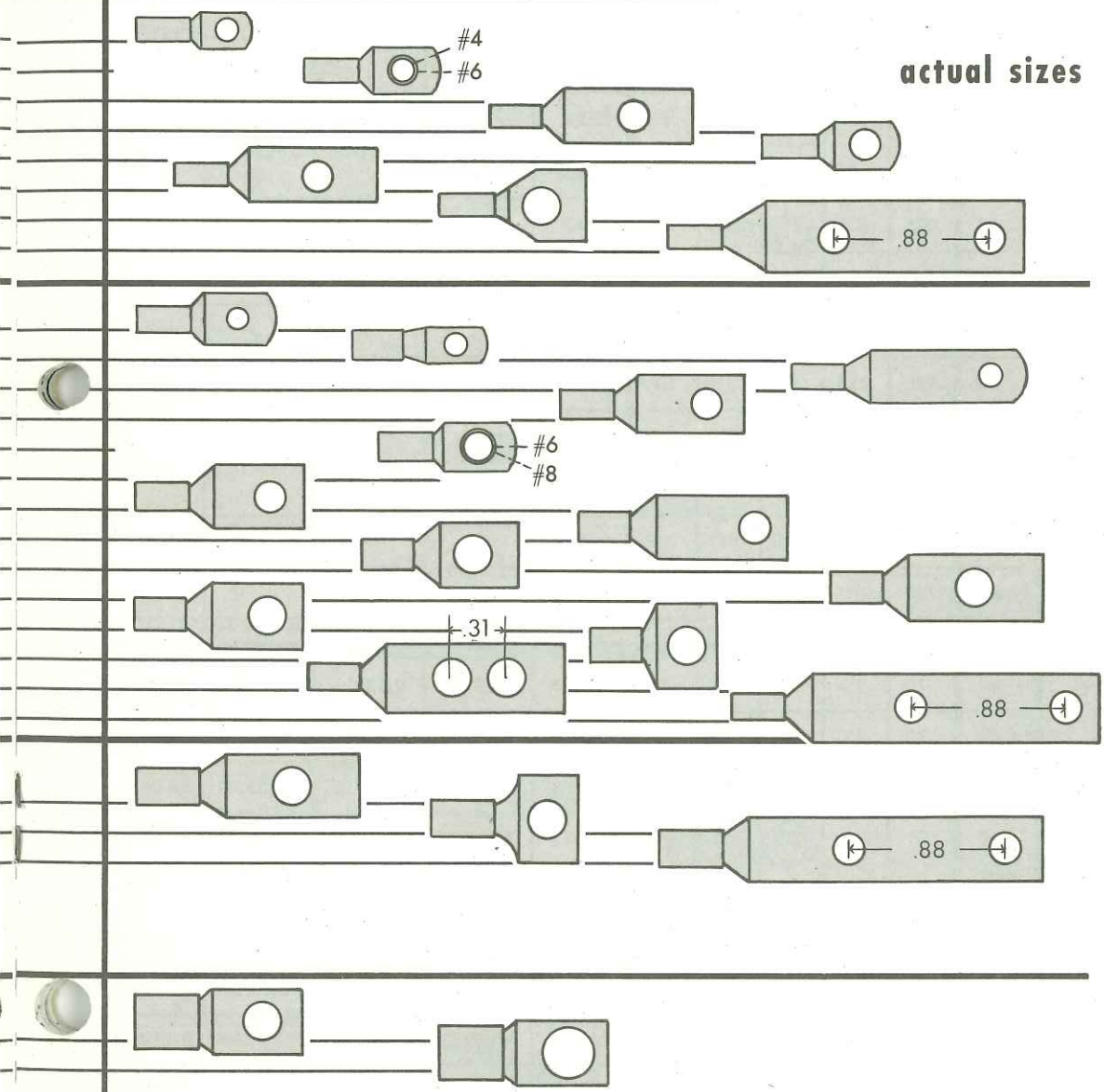
Note: Some catalog numbers in the A and B series are offered in this tongue shape.

wire range	stud size	dimensions A	W	C	D	M	catalog numbers
22-18 A AWG No. 22-18 Aircraft AN-22, AN-18 Any wire from .025″ to .052″ diameter UL listed for No. 18 AWG	#4	.61	.20	.22	.03	.51	**A88**
	#4	.73	.25	.28	.03	.57	**A20**
	#6	.73	.25	.28	.03	.57	**A93**
	#6	1.13	.31	.38	.03	.81	**A38**
	#8	.73	.25	.28	.03	.57	**A94**
	#8	1.13	.31	.38	.03	.82	**A8**
	#10	.80	.38	.19	.03	.55	**A35**
	#8	2.00	.38	.50	.03	.94	**A39**
16-14 B AWG No. 16-14 Aircraft AN-16, AN-14 Any wire from .032″ to .080″ diameter UL listed for No. 18-14 AWG	#4	.73	.25	.28	.03	.57	**B20**
	#4	.73	.20	.17	.03	.58	**B21**
	.125	1.25	.28	.67	.03	1.11	**B11**
	#6	1.13	.31	.38	.03	.81	**B38**
	#6	.73	.25	.28	.03	.57	**B93**
	#8	.73	.25	.28	.03	.57	**B94**
	#8	.94	.38	.31	.03	.75	**B91**
	#8	1.19	.38	.56	.03	1.00	**B139**
	#10	.88	.38	.19	.03	.63	**B35**
	#10	1.19	.38	.38	.03	.81	**B6**
	#10	.94	.38	.31	.03	.75	**B62**
	#10	.70	.50	.17	.03	.54	**B63**
	#10	1.44	.38	.38	.03	.81	**B32**
	#8	2.06	.38	.56	.03	1.00	**B39**
12-10 C AWG No. 12-10 Aircraft AN-12, AN-10 Any wire from .051″ to .125″ diameter. UL listed for No. 16-10 AWG	#10	1.25	.38	.38	.04	.88	**C6**
	#10	.81	.50	.17	.04	.65	**C63**
	#8	2.13	.38	.56	.04	1.06	**C39**
9, 8, 7 D AWG No. 7, 8, 9 Aircraft AN-8 Any wire from .123″ to .175″ diameter. UL listed for No. 7, 8, 9 AWG.	#10	.94	.38	.28	.06	.72	**D18**
	¼	.94	.38	.28	.06	.72	**D19**

self-insulated terminals:

For complete listing of self-insulated Sta-Kon terminals and connectors see pages 28–33.

actual sizes



installing tools

WT111M

WT130

11931

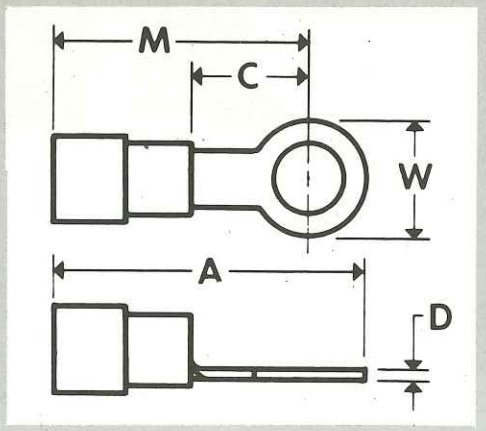
21070

For complete list of installing tools see pages 44–47.

self-insulated ring tongue

with insulation grip

patented



for wire sizes 8 AWG to 250 MCM contact factory

wire range

26-22 RZ

AWG No. 26-22
Aircraft AN-26—AN-22

Any wire from .032" to .083"
Insulation grip*

stud size	dimensions A	W	C	D	M	catalog numbers				
#0	.502	.143	.122	.018	.428	RZ03				
#1	.502	.143	.122	.018	.428	RZ13				
#2	.502	.143	.122	.018	.428	RZ23				
#3	.626	.206	.215	.018	.521	RZ33				
#4	.626	.206	.215	.018	.521	RZ43				
#5	.626	.206	.215	.018	.521	RZ53				
#6	.626	.206	.215	.018	.521	RZ63				
#8	.728	.253	.293	.018	.599	RZ83				
#10	.728	.253	.293	.018	.599	RZ103				
#1	.626	.206	.215	.018	.521	RZ113				
#2	.626	.206	.215	.018	.521	RZ213				
#6	.728	.253	.293	.018	.599	RZ613				

22-16 RA

AWG No. 22-18
Aircraft AN-22—AN-16

Any wire from .025" to .055" diameter
Insulation grip*
.056" to .136"

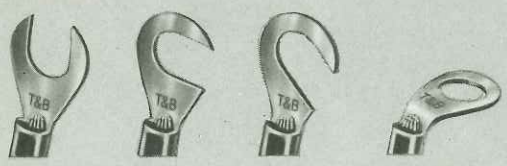
UL listed for No. 18 AWG

#4	.70	.23	.14	.03	.59	RA323	RA323F	RA323S	RA323H	RA323U
#6	.70	.23	.14	.03	.59	RA333	RA333F	RA333S	RA333H	RA333U
#6	.81	.26	.23	.03	.68	RA853	RA853F	RA853S	RA853H	RA853U
#8	.81	.26	.23	.03	.68	RA833	RA833F	RA833S	RA833H	RA833U
#8	.90	.31	.30	.03	.74	RA863	RA863F	RA863S	RA863H	RA863U
#10	.90	.31	.30	.03	.74	RA873	RA873F	RA873S	RA873H	RA873U
¼	1.08	.47	.39	.03	.84	RA713	RA713F	RA713S	RA713H	RA713U
5/16	1.08	.47	.39	.03	.84	RA723	RA723F	RA723S	RA723H	RA723U
⅜	1.17	.59	.42	.03	.87	RA733	RA733F	RA733S	RA733H	RA733U
7/16	1.27	.68	.47	.03	.93	RA743	RA743F	RA743S	RA743H	RA743U
½	1.32	.72	.50	.03	.96	RA753	RA753F	RA753S	RA753H	RA753U

* For terminals for larger insulation diameters contact factory

other tongue variations

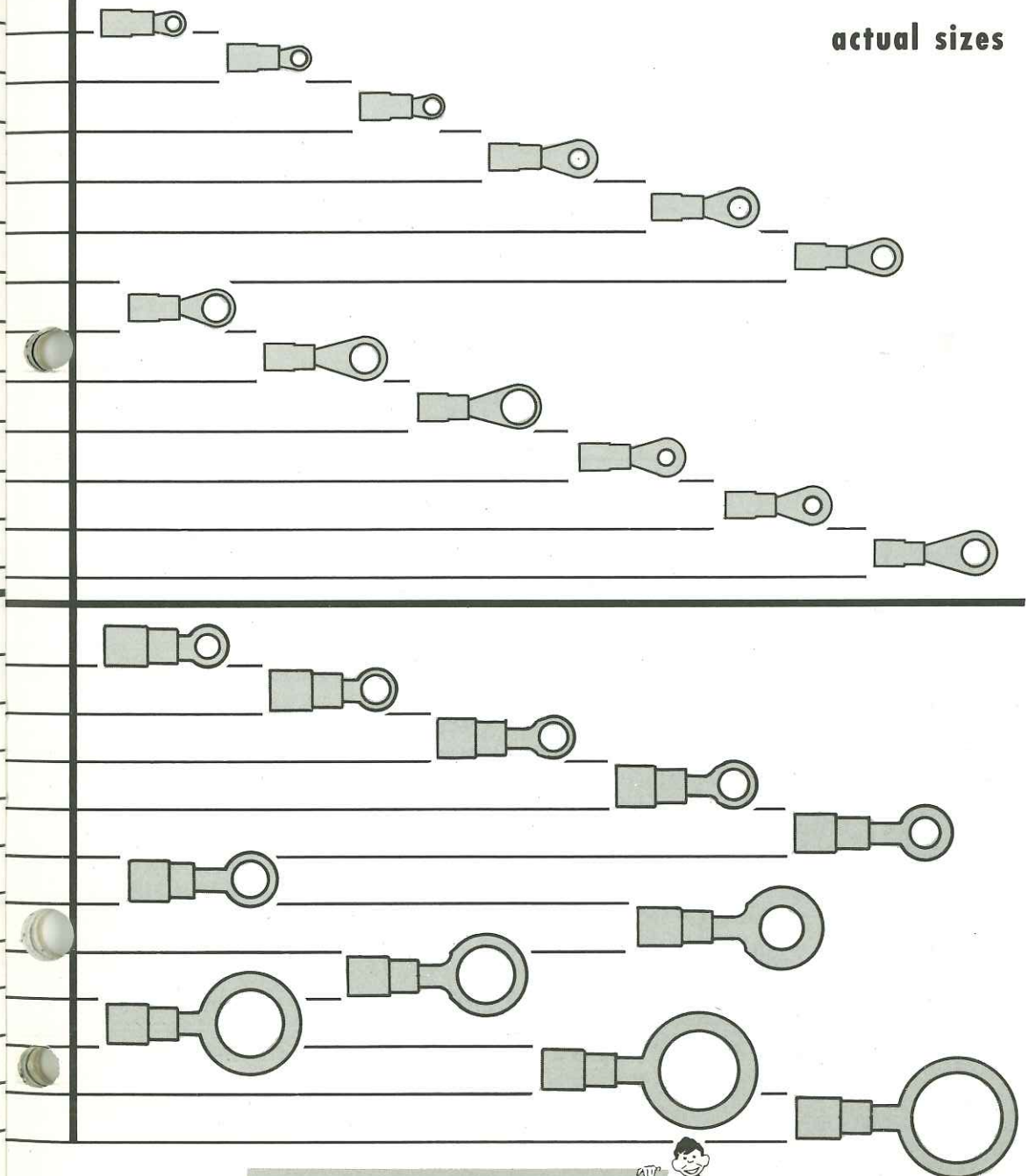
Sta-Kon terminals shown on these pages are also available with these tongue shapes.



fork slot hook upright

(slot width is the same as the diameter of the stud hole)

actual sizes



installing tools

WT152

WT145

11935

21728

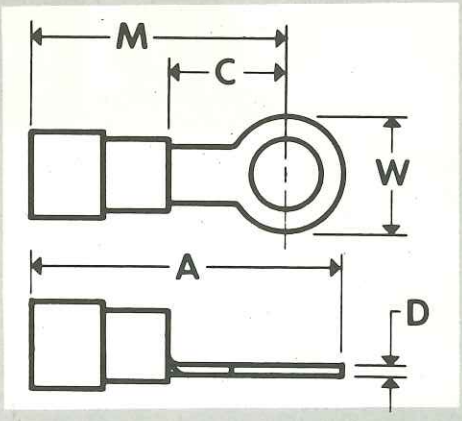
For complete list of installing tools see pages 44–47.

your T&B distributor serves and saves.

self-insulated ring tongue

with insulation grip

patented



for wire sizes 8 AWG to 250 MCM contact factory

wire range

16-14 RB

AWG No. 16-14
Aircraft AN-16—AN-14

Any wire from
.032" to .080" diameter
Insulation grip*
.056" to .162"

UL listed for No. 16—14 AWG

stud size	dimensions A	W	C	D	M	catalog numbers				
#4	.72	.26	.14	.03	.59	RB1323	RB1323F	RB1323S	RB1323H	RB1323U
#5	.72	.26	.14	.03	.59	RB323	RB323F	RB323S	RB323H	RB323U
#6	.72	.26	.14	.03	.59	RB1333	RB1333F	RB1333S	RB1333H	RB1333U
#6	.84	.31	.23	.03	.68	RB853	RB853F	RB853S	RB853H	RB853U
#8	.90	.31	.30	.03	.74	RB863	RB863F	RB863S	RB863H	RB863U
#10	.90	.31	.30	.03	.74	RB873	RB873F	RB873S	RB873H	RB873U
¼	1.08	.47	.39	.03	.84	RB713	RB713F	RB713S	RB713H	RB713U
5/16	1.08	.47	.39	.03	.84	RB723	RB723F	RB723S	RB723H	RB723U
⅜	1.17	.59	.42	.03	.87	RB733	RB733F	RB733S	RB733H	RB733U
7/16	1.27	.68	.47	.03	.93	RB743	RB743F	RB743S	RB743H	RB743U
½	1.32	.72	.50	.03	.96	RB753	RB753F	RB753S	RB753H	RB753U

12-10 RC

AWG No. 12-10
Aircraft AN-12, AN-10

Any wire from
.051" to .125" diameter
Insulation grip*
.149 to .210"

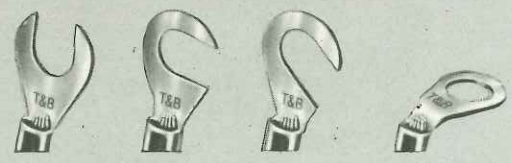
UL listed for No. 12-10 AWG

#6	.98	.38	.26	.04	.79	RC333	RC333F	RC333S	RC333H	RC333U
#8	1.00	.38	.28	.04	.81	RC863	RC863F	RC863S	RC863H	RC863U
#10	1.00	.38	.28	.04	.81	RC363	RC363F	RC363S	RC363H	RC363U
¼	1.21	.53	.41	.04	.94	RC713	RC713F	RC713S	RC713H	RC713U
5/16	1.21	.53	.41	.04	.94	RC703	RC703F	RC703S	RC703H	RC703U
⅜	1.27	.59	.44	.04	.97	RC733	RC733F	RC733S	RC733H	RC733U
7/16	1.36	.68	.49	.04	1.02	RC743	RC743F	RC743S	RC743H	RC743U
½	1.41	.72	.52	.04	1.05	RC753	RC753F	RC753S	RC753H	RC753U

* For terminals for larger insulation diameters contact factory

other tongue variations

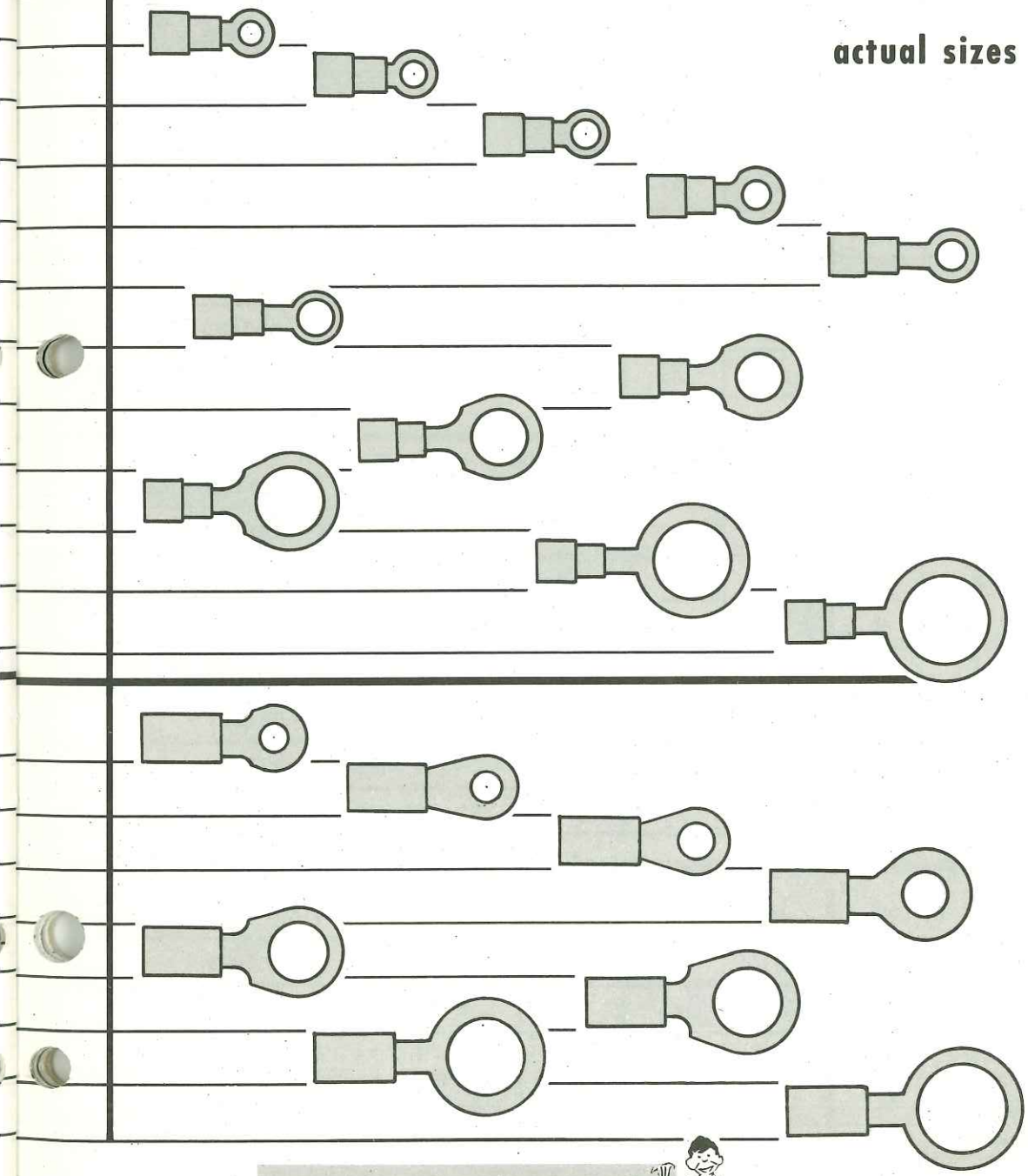
Sta-Kon terminals shown on these pages are also available with these tongue shapes.



fork slot hook upright

(slot width is the same as the diameter of the stud hole)

actual sizes



installing tools

WT152

WT145

11935

21728

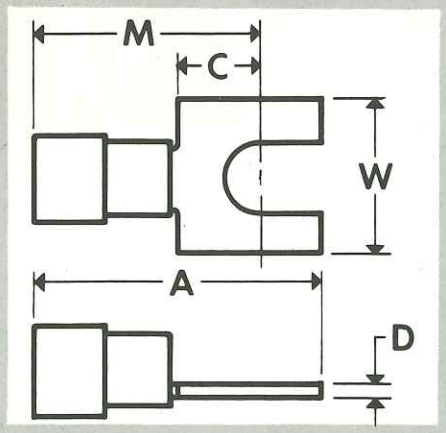
For complete list of installing tools see pages 44–47.

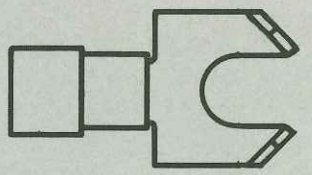
your T&B distributor serves and saves.

self-insulated forked tongue

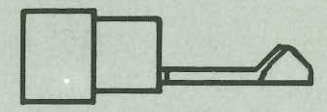
with insulation grip

patented





Note: Some catalog numbers are offered in this tongue shape.



for wire sizes 8 AWG to 250 MCM contact factory

wire range

stud size	dimensions A	W	C	D	M	catalog numbers
22-16 RA						
#6	.74	.28	.16	.03	.60	**RA1103**
#6	.74	.28	.16	.03	.60	**RA1203**
#6	.77	.31	.17	.03	.61	**RA1113**
#6	.77	.31	.17	.03	.61	**RA1213**
#8	.84	.41	.20	.03	.64	**RA1123**
#8	.84	.41	.20	.03	.64	**RA1223**
#10	.90	.45	.24	.03	.68	**RA1153**
#10	.90	.45	.24	.03	.68	**RA1253**
16-14 RB						
#6	.74	.28	.16	.03	.60	**RB1103**
#6	.74	.28	.16	.03	.60	**RB1203**
#6	.77	.31	.17	.03	.61	**RB1113**
#6	.77	.31	.17	.03	.61	**RB1213**
#8	.84	.41	.20	.03	.64	**RB1123**
#8	.84	.41	.20	.03	.64	**RB1223**
#10	.90	.45	.24	.03	.68	**RB1153**
#10	.90	.45	.24	.03	.68	**RB1253**
12-10 RC						
#8	.91	.41	.19	.04	.71	**RC1123**
#8	.91	.41	.19	.04	.71	**RC1223**
#10	.97	.45	.23	.04	.75	**RC1153**
#10	.97	.45	.24	.04	.75	**RC1253**
¼	1.06	.50	.30	.04	.82	**RC1163**

22-16 RA

AWG No. 22-18
Aircraft AN-22—AN-16

Any wire from .025″ to .055″ diameter
Insulation grip*.056″ to .136″

UL listed for No. 18 AWG

16-14 RB

AWG No. 16-14
Aircraft AN-16—AN-14

Any wire from .032″ to .080″ diameter
Insulation grip*.056″ to .162″

UL listed for No.16-14 AWG

12-10 RC

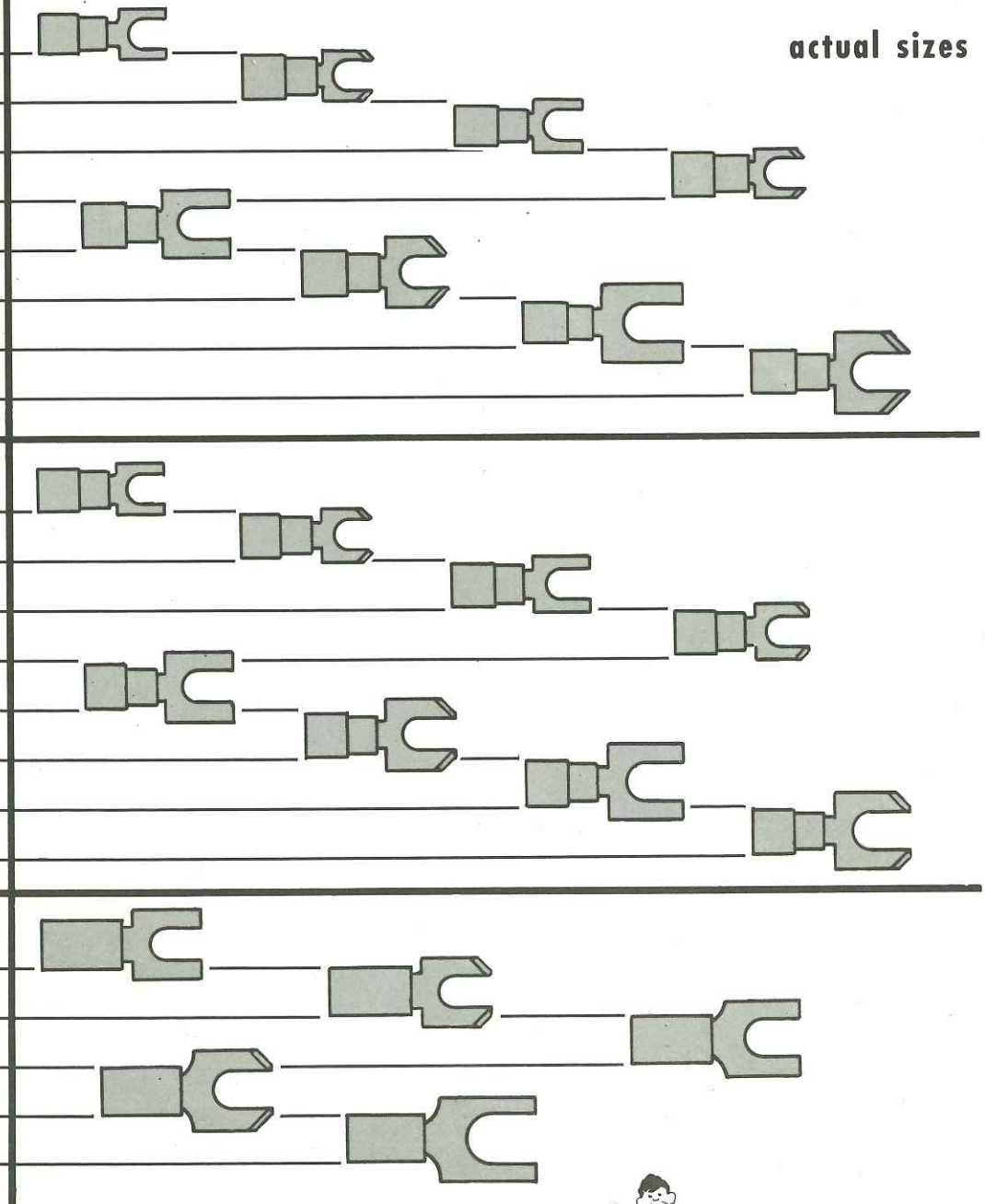
AWG No. 12-10
Aircraft AN-12, AN-10

Any wire from .051″ to .125″ diameter
Insulation grip*.149″ to .210″

UL listed for No.12-10 AWG

* For terminals for larger insulation diameters contact factory

actual sizes



installing tools

WT152

WT145

11935

21728

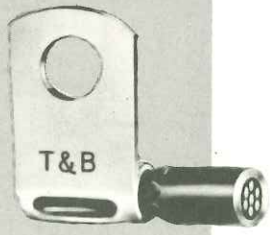
For complete list of installing tools see pages 44–47.

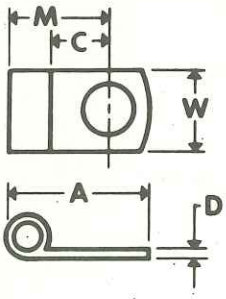
your T&B distributor serves and saves.

THE THOMAS & BETTS CO. INC.
BULLETIN NO 821 ©1962 p. 34

flag type terminals

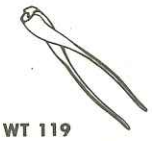
Flag type terminals are valuable for installation in confined quarters or where stacking in a limited space is a requirement.





		wire range	stud size	dimensions A	W	C	D	M	catalog number
22-14	Aircraft AN-22—AN14	.025	6	.55	.31	.22	.03	.39	**AB51**
	UL listed for	to	8	.55	.31	.22	.03	.39	**AB52**
	No. 18-14 AWG	.080	10	.55	.31	.22	.03	.39	**AB53**
12-10	Aircraft AN-12—AN10	.081	6	.69	.31	.24	.04	.48	**C51**
	UL listed for	to	8	.69	.31	.24	.04	.48	**C52**
	No. 12-10 AWG	.125	10	.69	.31	.24	.04	.48	**C53**
9,8	Aircraft AN-8	.123	10	.92	.50	.29	.06	.66	**D226**
	UL listed for	to	10	.80	.56	.25	.06	.58	**D236**
	No. 9, 8 AWG	.175	10	1.04	.50	.44	.06	.77	**D826**
			¼	.94	.50	.33	.06	.68	**D271**
			¼	1.04	.50	.44	.06	.77	**D871**
			5/16	1.06	.50	.41	.06	.76	**D272**
			⅜	1.14	.56	.46	.06	.81	**D273**
6	Aircraft AN-6	.169	10	.97	.50	.29	.06	.71	**E226**
	UL listed for	to	10	1.10	.50	.44	.06	.84	**E826**
	No. 6 AWG	.222	¼	1.01	.50	.33	.06	.75	**E271**
			¼	1.10	.50	.44	.06	.84	**E871**
			5/16	1.12	.50	.41	.06	.82	**E272**
			⅜	1.20	.56	.46	.06	.87	**E273**
4	Aircraft AN-4	.219	10	1.03	.63	.29	.07	.77	**F226**
	UL listed for	to	¼	1.07	.63	.33	.07	.81	**F271**
	No. 4 AWG	.280	¼	1.17	.63	.44	.07	.91	**F871**
			5/16	1.19	.63	.41	.07	.89	**F272**
			⅜	1.26	.63	.46	.07	.93	**F273**
2-1	Aircraft AN-2	.267	¼	1.19	.63	.33	.08	.93	**G271**
	UL listed for	to	¼	1.29	.63	.44	.08	1.03	**G871**
	No. 2-1 AWG	.355	5/16	1.33	.63	.41	.08	1.01	**G272**
			5/16	1.29	.63	.44	.08	1.03	**G872**
			⅜	1.40	.63	.46	.08	1.06	**G273**
			½	1.61	.75	.55	.08	1.15	**G275**
1/0	Aircraft AN-1	.351	¼	1.22	.63	.33	.08	.96	**H271**
	UL listed for	to	¼	1.38	.63	.50	.08	1.12	**H871**
	1/0 AWG	.390	5/16	1.36	.63	.41	.08	1.04	**H272**
			5/16	1.38	.63	.50	.08	1.12	**H872**
			⅜	1.42	.63	.46	.08	1.09	**H273**
			½	1.64	.75	.55	.08	1.18	**H275**
2/0	Aircraft AN-0	.379	¼	1.29	.75	.33	.10	1.03	**J271**
	UL listed for	to	5/16	1.40	.75	.41	.10	1.10	**J272**
	2/0 AWG	.440	5/16	1.49	.75	.50	.10	1.19	**J872**
			⅜	1.48	.75	.46	.10	1.15	**J273**
			½	1.70	.75	.55	.10	1.25	**J275**
3/0	Aircraft AN-00	.431	5/16	1.50	.81	.41	.11	1.20	**K272**
	UL listed for	to	⅜	1.50	.81	.46	.11	1.25	**K273**
	3/0 AWG	.500	½	1.80	.81	.55	.11	1.34	**K275**
4/0	Aircraft AN-000	.491	5/16	1.56	.81	.41	.11	1.26	**L272**
	UL listed for	to	5/16	1.68	.81	.50	.11	1.34	**L872**
	4/0 AWG	.557	⅜	1.64	.81	.46	.11	1.31	**L273**
			½	1.86	.81	.55	.11	1.40	**L275**
250MCM	Aircraft AN-0000	.549	5/16	1.67	1.00	.41	.13	1.37	**M272**
	UL listed for	to	5/16	1.78	1.00	.50	.13	1.45	**M872**
	250 MCM AWG	.622	⅜	1.75	1.00	.46	.13	1.42	**M273**
			½	1.97	1.00	.55	.13	1.51	**M275**

installing tools



WT 119

WT 129

WT 127

21070

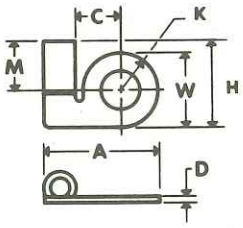
11032

For complete list of installing tools see pages 44–47.

gooseneck terminals

Gooseneck terminals perform the same basic operations as flag type terminals in confined quarters. An added advantage is that standard installing tools may be used.

patented ®



		wire range	stud size	dimensions A	W	C	D	M	H	K	catalog number
22-18	Aircraft AN-22, AN-18 UL listed for No. 18 AWG	.025 to .052	6	.51	.34	.23	.03	.22	.41	.16	A89
			6	.66	.44	.31	.03	.25	.47	.22	A66
			8	.66	.44	.31	.03	.25	.47	.22	A67
			10	.51	.34	.23	.03	.22	.41	.16	A97
			10	.66	.44	.31	.03	.25	.47	.22	A68
16-14	Aircraft AN-16, AN-14 UL listed for No. 18-14 AWG	.032 to .080	6	.55	.38	.23	.03	.22	.44	.16	B89
			6	.67	.44	.30	.03	.25	.47	.22	B66
			8	.55	.38	.23	.03	.22	.44	.16	B61
			8	.67	.44	.30	.03	.25	.47	.22	B67
			10	.55	.38	.23	.03	.22	.44	.16	B97
			10	.67	.44	.30	.03	.25	.47	.22	B68
			¼	.67	.44	.30	.03	.25	.47	.22	B98
12-10	Aircraft AN-12, AN-10 UL listed for No. 16-10 AWG	.051 to .125	6	.75	.44	.31	.04	.34	.56	.22	C66
			8	.75	.44	.31	.04	.34	.56	.22	C67
			10	.75	.44	.31	.04	.34	.56	.22	C68
			¼	.75	.44	.31	.04	.34	.56	.22	C98

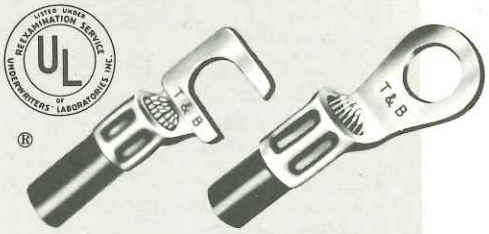
installing tools

WT 119

21070

For complete list of installing tools see pages 44–47.

junior terminals



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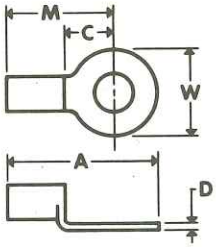


fig. 1

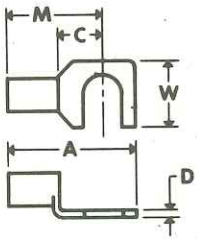


fig. 2

T&B Sta-Kon Junior terminals are particularly suited for applications requiring small space and high conductivity and will fit all popular barrier type terminals blocks. Designed with minimum length, with either slotted or ring type tongue, they are suitable for production line assembly with power tools or installation with hand tools. Made from one-piece, high conductivity copper alloy, they far exceed Underwriters Laboratories' electrical and tensile strength requirements.

wire size	stud size	fig.	dimensions A	W	C	D	M	catalog number
	6	1	.56	.32	.21	.03	.40	V33
	8	1	.57	.32	.22	.03	.42	V77
	10	1	.57	.32	.22	.03	.41	V36
	6	1	.48	.23	.13	.03	.35	V133
#20 to #14 Str.	5	2	.50	.28	.13	.03	.35	V122
	6	2	.45	.25	.12	.03	.32	V121
#20 to #16 Sol.	6	2	.50	.28	.13	.03	.35	V123
	6	2	.57	.32	.18	.03	.38	V124
	6	2	.63	.41	.21	.03	.41	V126
	8	2	.63	.41	.23	.03	.41	V127
	10	2	.63	.41	.22	.03	.41	V128

installing tools

WT 134

21686

For complete list of installing tools see pages 44–47.

railway terminals

signal

Railway Signal Terminals, made from high-conductivity copper, have small over-all dimensions to afford wide clearance of terminal posts and easy fits in terminal blocks. Designed to make terminal insulation unnecessary, they reduce construction costs and speed maintenance work.

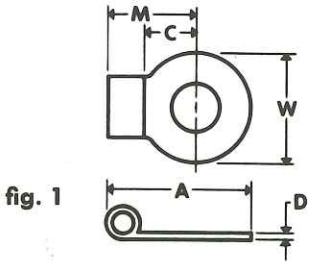


fig. 1

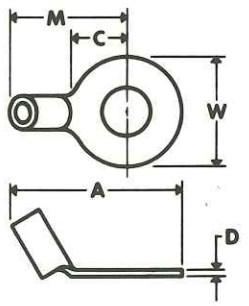


fig. 2

wire size	stud size	fig.	dimensions A	W	C	D	M	catalog numbers
18-14	¼	1	.73	.57	.26	.03	.45	SIG14B
18-14	¼	2	.89	.57	.23	.03	.61	SIG14B3
12-9	¼	1	.81	.57	.25	.04	.53	SIG9C
12-9	10	1	.81	.57	.25	.04	.53	SIG9C2
12-9	¼	2	.98	.57	.23	.04	.67	SIG9C3

installing tools

WT 103

WT 139
WT 140

For complete list of installing tools see pages 44–47.

cab wiring

Cab Wiring Terminals for #9 to #14 wire are used in the control wiring of locomotives. Provided with an insulation grip, they withstand severe vibration.

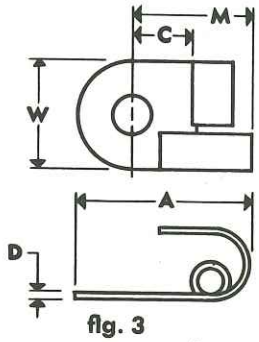


fig. 3

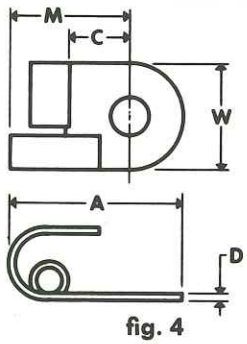


fig. 4

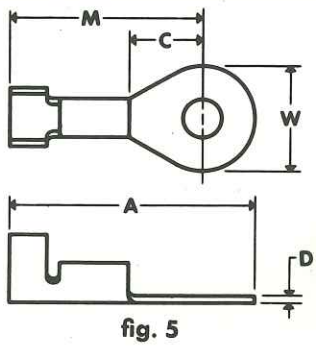


fig. 5

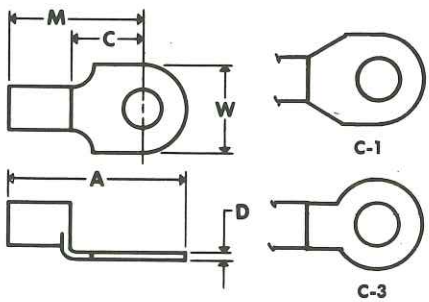
wire size	stud size	fig.	dimensions A	W	C	D	M	catalog numbers for small insulation max. 7/32"	for large insulation max. 5/16"
	8	3	.90	.57	.28	.04	.62	C62GL	C52GL
	10	3	.90	.57	.28	.04	.62	C63GL	C53GL
	¼	3	.90	.57	.28	.04	.62	C64GL	C54GL
14	8	4	.90	.57	.28	.04	.62	C62GR	C52GR
	10	4	.90	.57	.28	.04	.62	C63GR	C53GR
9	¼	4	.90	.57	.28	.04	.62	C64GR	C54GR
	8	5	1.27	.57	.33	.04	.99	C90G	C80G
	10	5	1.27	.57	.33	.04	.99	C91G	C81G
	¼	5	1.27	.57	.33	.04	.99	C92G	C82G

installing tools

Refer to factory for tools.

control cable for blocks

Control Cable Terminal is designed especially to connect control cable, sizes #12 to #9, to standard terminal blocks.



wire size	stud size	dimensions A	W	C	D	M	catalog numbers
12-9	10	.92	.46	.36	.04	.70	C-1 C-2 C-3

installing tools

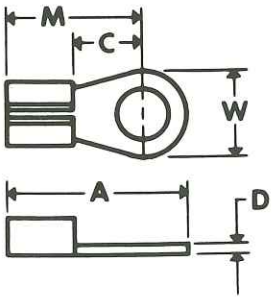
WT 111M

For complete list of installing tools see pages 44–47.

heater wire terminals

straight

Heater wire terminals are especially designed to easily make connections to resistance wires as used in toasters, irons, heaters, and an endless variety of applications. They make permanent terminations to flat ribbon, solid round wire, or stranded wire. Made from special heat-resisting alloy that will withstand temperatures up to 2000°F. they outlast the heater wire on which they are installed.



wire size flat ribbon width	wire size flat ribbon max. thickness	solid round AWG	stranded diameter	stud size	dimensions A	W	C	D	M	catalog number
		24-22		4	.61	.31	.26	.03	.47	NW20
3/64		24-22	.021	6	.61	.31	.26	.03	.47	NW21
to			to	8	.61	.31	.26	.03	.47	NW22
1/16	.021	24-22	.036	10	.61	.31	.26	.03	.47	NW23
		24-22		6	.61	.31	.26	.03	.47	NW24*
		20-18		4	.64	.31	.26	.03	.48	NW50
3/32		20-18	.032	6	.64	.31	.26	.03	.48	NW51
to		20-18	to	8	.64	.31	.26	.03	.48	NW52
1/8	.030	20-18	.065	10	.64	.31	.26	.03	.48	NW53
		20-16		12	.64	.31	.26	.03	.48	NW54
		16-14		4	.67	.31	.25	.04	.51	NW80
5/32		16-14	.040	6	.67	.31	.25	.04	.51	NW81
to		16-14	to	8	.67	.31	.25	.04	.51	NW82
3/16	.040	16-14	.095	10	.67	.31	.25	.04	.51	NW83
		16-14		12	.67	.31	.25	.04	.51	NW84

*With 45° reverse bend

installing tools

WT 137

For complete list of installing tools see pages 44–47.

upright

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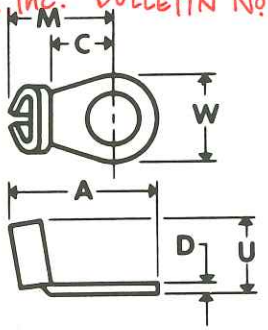
Upright heater wire terminals incorporate all the features of the terminals described above. With the barrel bent up at a ninety degree angle to the tongue, they have the added advantage of easier installation in confined areas and out-of-the-way places.



wire size flat ribbon width	wire size flat ribbon max. thickness	solid round AWG	stranded diameter	stud size	dimensions U	A	W	C	D	M	catalog number
3/64		24-22	.020	4	.24	.50	.31	.24	.03	.24	NW20U
to	.021	24-22	to	6	.24	.50	.31	.24	.03	.24	NW21U
1/16		22-22	.036	8	.24	.50	.31	.24	.03	.24	NW22U
		24-22		10	.24	.50	.31	.24	.03	.24	NW23U
3/32		20-18	.032	4	.27	.54	.31	.24	.03	.20	NW50U
to	.030	20-18	to	6	.27	.54	.31	.24	.03	.20	NW51U
1/8		20-18	.065	8	.27	.54	.31	.24	.03	.20	NW52U
		20-18		10	.27	.54	.31	.24	.03	.20	NW53U
5/32		16-14	.040	4	.30	.57	.31	.24	.04	.30	NW80U
to	.040	16-14	to	6	.30	.57	.31	.24	.04	.30	NW81U
3/16		16-14	.095	8	.30	.57	.31	.24	.04	.30	NW82U
		16-14		10	.30	.57	.31	.24	.04	.30	NW83U
		16-14		12	.30	.57	.31	.24	.04	.30	NW84U

installing tools

WT 137

For complete list of installing tools see pages 44–47.

engineered terminals

T&B engineers are specialists in the design and production of small wire terminals. The terminals illustrated here are a random sampling of some of the many types and styles which have been produced for specific applications.

T&B engineers have solved problems for our customers by designing terminals for electric soldering irons, disconnect terminals for capacitors, tiny gold plated terminals for miniature radar tubes, terminals whose tongues could be soldered to glass heating panels, the terminals shown on these two pages, and an almost endless variety of other "problem solvers".

inquiry information

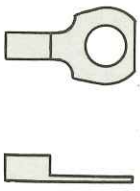
We welcome the opportunity to help solve your unusual terminating or connecting problems, and our engineering services and laboratory testing facilities are constantly at your disposal for this purpose. Send details, including wire samples and information concerning dimensional restrictions, performance requirements, etc., to the factory in Elizabeth or ask a T&B Field Service Engineer to call.

actual sizes

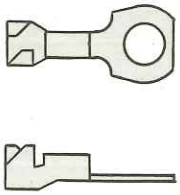
A79

with built in insulation grip for 18 to 22 AWG wire.

A34



A34G



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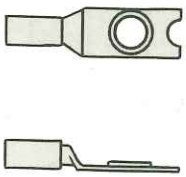

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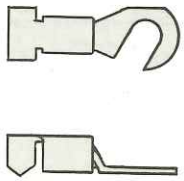

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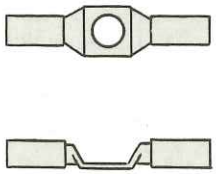

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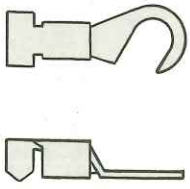

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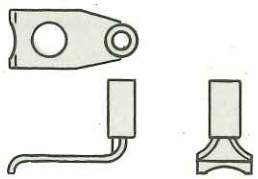

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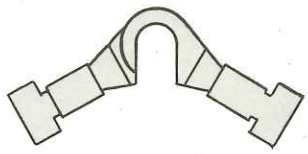

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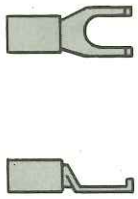
B19



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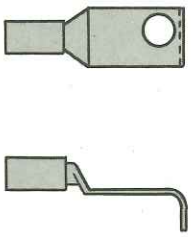

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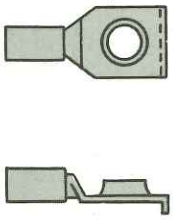

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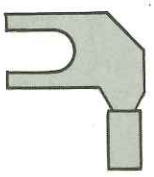
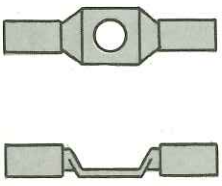
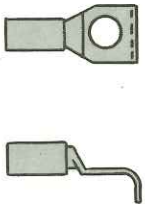


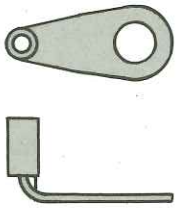
B90



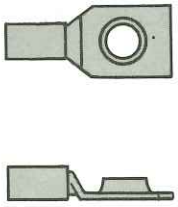
B82



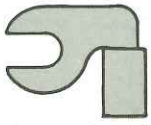
B12U



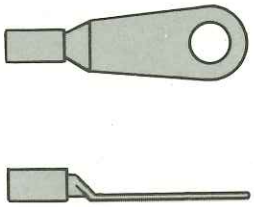
B48



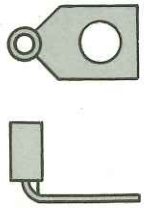
C18



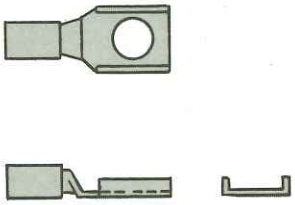
B12



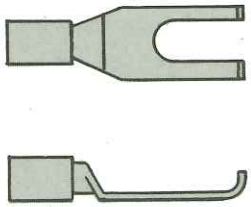
B62U



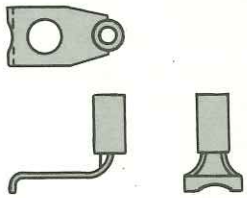
B78



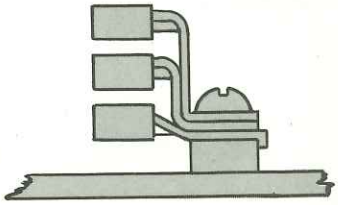
C120



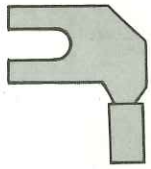
B102



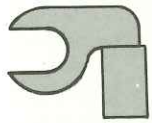
B415, B416, B417 assembly



B54



C19

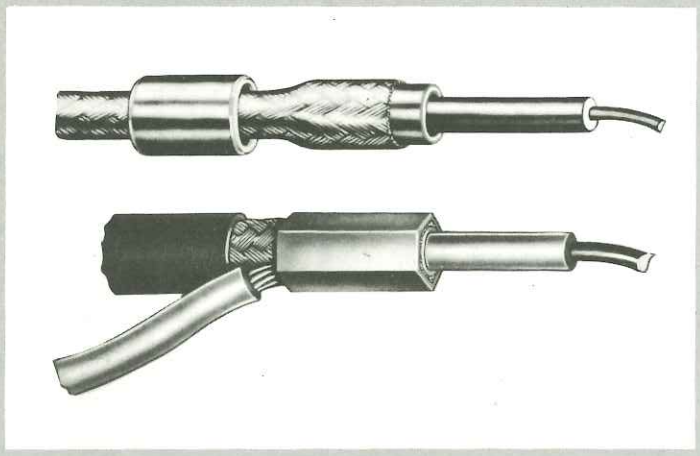


COLOR-CODED

grounding sheath connectors

T&B Grounding Sheath Connectors offer complete reliability with greatly reduced production costs. They find wide usage on shielded conductors or coaxial cables to terminate and ground the braid quickly and neatly. The braid and ground wire are held in a permanent compression joint between the Inner and Outer sleeves, without damaging the insulation or measurably changing the impedance of the cable. Repeated testing has failed to measure any noise attributable to the grounding sheath connection. Repeated cycle thermal shock testing fails to produce a measurable resistance increase.

Installation is simple—as shown in the illustrations below. The Inner Sleeve is inserted under the braid, the Outer Sleeve is fitted over the braid, and hex-compressed into position.



special uses

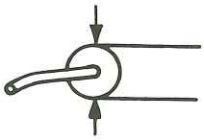
Special connectors may be designed for unusual applications as shown in these illustrations. With various shaped lugs brazed to the Outer Sleeve they anchor the cable as well as ground it; they may be used on non-grounded cable ends for a trim termination; and they may be used as splices to connect the two ends of shielding. We invite your requests for help in solving shielded and coaxial cable braid connection problems.

how to select inner sleeves

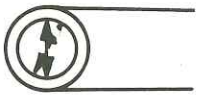
Hard Inner Sleeves, *Color-Coded* for quick size identification are easily selected as illustrated and described below.

(a) Find the diameter of the cable insulation. (Actual cable sometimes varies from its specification. If there is doubt that the chosen sleeve will fit over the insulation, use the next larger size or refer to Cable Specification).

(b) Add .005″ minimum clearance.



(c) Select, from size chart, the Inner Sleeve with that I.D. or the nearest larger one.

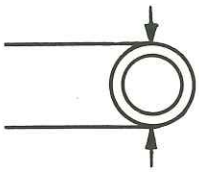


I.D.	O.D.	color code	catalog number
.046	.070	tin	GSB046
.058	.083	yellow	GSB058
.063	.088	red	GSB063
.071	.096	green	GSB071
.080	.1035	blue	GSB080
.090	.1135	orange	GSB090
.096	.119	purple	GSB096
.101	.124	yellow	GSB101
.109	.131	red	GSB109
.124	.145	green	GSB124
.128	.152	tin	GSB128
.134	.156	orange	GSB134
.149	.179	blue	GSB149
.156	.193	red	GSB156
.165	.194	tin	GSB165
.175	.215	green	GSB175
.187	.227	yellow	GSB187
.194	.226	blue	GSB194
.205	.245	orange	GSB205
.219	.250	tin	GSB219
.225	.256	yellow	GSB225
.232	.263	red	GSB232
.250	.281	green	GSB250
.261	.297	blue	GSB261
.266	.297	tin	GSB266
.275	.306	orange	GSB275
.281	.331	yellow	GSB281
.287	.327	tin	GSB287
.297	.335	red	GSB297
.312	.362	purple	GSB312
.375	.406	blue	GSB375

outer sleeves

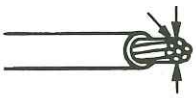
Annealed Outer Sleeves, *Color-Coded,* may be quickly selected after the proper Inner Sleeve has been chosen.

(a) Determine from size chart the O.D. of Inner Sleeve already selected.

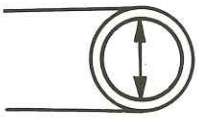


(b) Add .025″ for thickness of single braid shielding.

(c) Add .040″ for ground wire (up to #18).



(d) Select from size chart the Outer Sleeve with that I.D. or the nearest larger one.



I.D.	color code	catalog number
.101	tin	GSC101
.128	blue	GSC128
.149	purple	GSC149
.156	yellow	GSC156
.175	blue	GSC175
.187	orange	GSC187
.194	red	GSC194
.199	tin	GSC199
.205	yellow	GSC205
.219	green	GSC219
.225	purple	GSC225
.232	orange	GSC232
.261	yellow	GSC261
.275	tin	GSC275
.281	purple	GSC281
.287	blue	GSC287
.297	green	GSC297
.312	yellow	GSC312
.327	tin	GSC327
.348	orange	GSC348
.359	purple	GSC359
.375	yellow	GSC375
.405	red	GSC405
.415	red	GSC415
.460	tin	GSC460
.500	green	GSC500

tools

Regardless of the type of tool selected, the outer sleeve determines the die to be used. Both the outer sleeve and the die are *Color-Coded* to assure use of the correct tool.

single or multiple dies

The straight-line action Shure Stake hand tools are offered in three types: (1)—with single-hex die (2)—with three-hex* multiple dies of our selection as shown in the second column (3)—with two-hex or three-hex* multiple dies of your selection: ordered by using the lowest desired number in the single-hex tool column and suffixing the last two digits of the larger sizes wanted. A tool to install outer sleeves GSC 156, GSC 205 and GSC 225 would have a catalog number WT 202-08-09.

Note—choices (1) and (3) above are manufactured to your order; choice (2) tools are normally carried in stock.

Power tools of the Cat #11901 type are offered with single dies only. However, the 21017 type bench tool may be ordered with three unit* multiple dies by using the lowest desired number in the last column and suffixing the last two digits of the larger sizes wanted. A die to install outer sleeves GSC 128, GSC 194 and GSC 232 would have a catalog number 21500-06-10.

*Multiple-unit dies to install outer sleeve GSC 281 and larger have only two openings as in the case of WT234, 235, 236. For more specific information write for dwg. AS13988.

engraving

On special order the hexagonal die faces may be engraved with an identifying letter. Compression causes this engraving to become embossed on the outer sleeve.

single-hex straight line Shure Stakes tool no.	multiple-hex straight line Shure Stakes tool no.	single-hex dies for 11901 die no.	single-hex dies for 21016, 21017 die no.
WT219	WT231	11989	21519
WT200	WT230	11970	21500
WT201	WT231	11971	21501
WT202	WT230	11972	21502
WT203	WT232	11973	21503
WT206	WT232	11976	21506
WT206	WT232	11976	21506
WT206	WT232	11976	21506
WT208	WT233	11978	21508
WT208	WT233	11978	21508
WT209	WT230	11979	21509
WT210	WT232	11980	21510
WT211	WT231	11981	21511
WT212	WT233	11982	21512
WT214†	WT234†	11984	21514
WT214†	WT234†	11984	21514
WT214†	WT234†	11984	21514
WT215†	WT235†	11985	21515
WT216†	WT234†	11986	21516
	WT236†		
WT217†	WT235†	11987	21517
WT221†			
WT222†			
WT218†	WT236†	11988	21518
WT218†			
WT220†		11990	21499
WT223†			

†Straight Line Shure Stake tool with long handle.

wire joints

Patented

one-piece insulated wire joint

RB4 installed

Patented

RC6 installed

Sta-Kon self-insulated wire joints are one-piece connectors, engineered to hold fast and not loosen from vibration or other operating factors. One simple staking operation connects the wires and insulates the joint. The bronze barrel holds the wires firmly and the tough nylon jacket gives full insulating protection. Neat, compact and ideal for installation in crowded locations, they are UL listed.

RB4

RC6

Wire Combination Table

AWG size	number of wires	&	AWG size solid and stranded 18	or 16	14	12
RB4						
18	1		1-2			
16	1		1-2	1		
RC6						
14	1		3-5	2-4	2	
	2		1-4	1-3		
	3		1-3	1		
12	1		1-4	1-3	1-2	1

installing tools

WT-181

11945

For complete list of installing tools see pages 44–47.

two-piece insulated

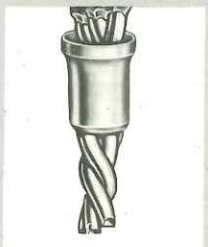
PT66M
complete connection
Patented

one-piece non-insulated

PT70
installed

Uninsulated wire joints also assure long dependable service. Both ends of the barrel are open for visual inspection. The translucent insulating cap, approved for circuit and fixture wiring, is designed for easy installation but is difficult to remove.

to install



insert wires into open end of barrel

apply staking pressure with standard Sta-Kon hand tool

PT66M

bronze barrel
PT60M

insulating cap
PT6M

PT70

PT80

Approved by Underwriters' Laboratories for all combinations of solid and/or stranded wires totaling from 5,166 CM–2#16 (or 4#18) minimum to 46,080 CM–4#10 (or 2#8 and 2#12) maximum.

Wire Combination Table

AWG size	number of wires	&	AWG size solid and stranded 18	or 16	14	12
PT66M, PT70						
18	1		3-8			
16	1		3-7	2-6		
	2		1-8			
	3		1-7			
	4		1-4			
	5		1-4			
	6		1-2			
	7		1			
14	1		2-8	1-6	1-4	
	2		1-9	1-4		
	3		1-3	1-3		
	4		1-2	1		
12	1		1-8	1-4	1-3	1-2
	2		1-4	1-2	1-2	1
10	1		1-6	1-6		

installing tools

WT-111M

For complete list of installing tools see pages 44–47.

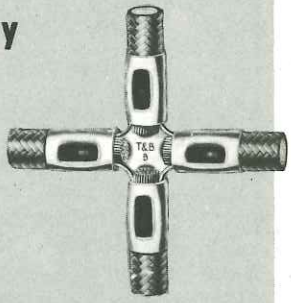
two-way insulated

uninsulated

self-insulated

Patent Pending

four-way



two way

insulated

wire size	length	catalog number
22-18	.69	**RA24**
22-16	1.02	**RBB21**
20-16	.69	**RB25**
18-12	.84	**RC26**

uninsulated

wire size	length	catalog number
12-18	.63	**AA2**
16-14	.63	**BB2**
12-10	.72	**CC2**
8,9,7	1.00	**DD2**
6,5	1.25	**EE2**
4,3	1.25	**FF2**
2,1	1.75	**GG2**

self-insulated

wire size	length	catalog number
22-18	1.52	**RAA23**
16-14	1.52	**RBB23**
12-10	1.89	**RCC23**

four-way connectors

wire size	length	catalog number
22-18	.89	**AA4**
16-14	.89	**BB4**
12-10	1.09	**CC4**

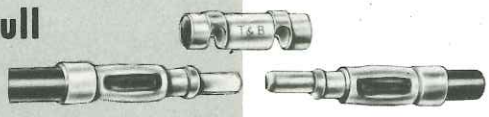
installing tools

For complete list of installing tools see pages 44–47.

disconnects

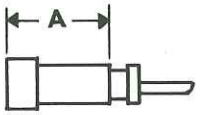
THOMAS & BETTS CAT. 1962 p. 43

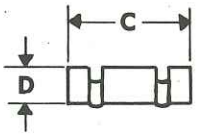
straight pull



Patented

features: identical tips – Beryllium Copper spring coupler — wide contact — disconnects with a quick pull—may be insulated.





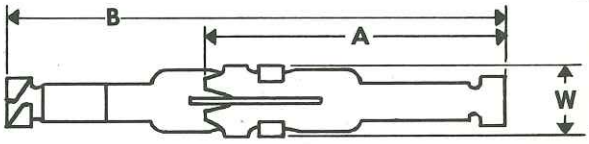
wire size	tips A	max. insulation capacity	catalog number
22-18	.44	.115	**A50**
16-14	.44	.143	**B50**
12-10	.41	no grip	**C50**

couplers C	couplers D	catalog number
.50	.14	**7**
.50	.14	**7**
.63	.23	**8**

wristlock

Patented

features: identical pieces — double spring pressure — strong insulation grip — connects with a pull — won't jackknife — may be insulated by using insulator catalog no. T208W.



wire size	A length of one	B length of two	W	catalog number
22-14	.970	1.75	.25	**B23**

swivel

Patented

features: spring bird cage snaps over ball—any bird cage fits any ball—connects at any angle—suitable for grounding.

ball and stud

thread size	thread length	catalog number
8-32	.81	**23**
8-32	.50	**24**
10-32	.38	**26**

bird cage

wire size	max. insulation capacity	length to center of ball socket	catalog number
22-18	.115	.78	**A156**
16-14	.143	.78	**B156**
12-10	no grip	.75	**C156**

insulated bird cage

length to center of ball socket	catalog number
.94	**RA1563**
.94	**RB1563**

Sta-Kon tools

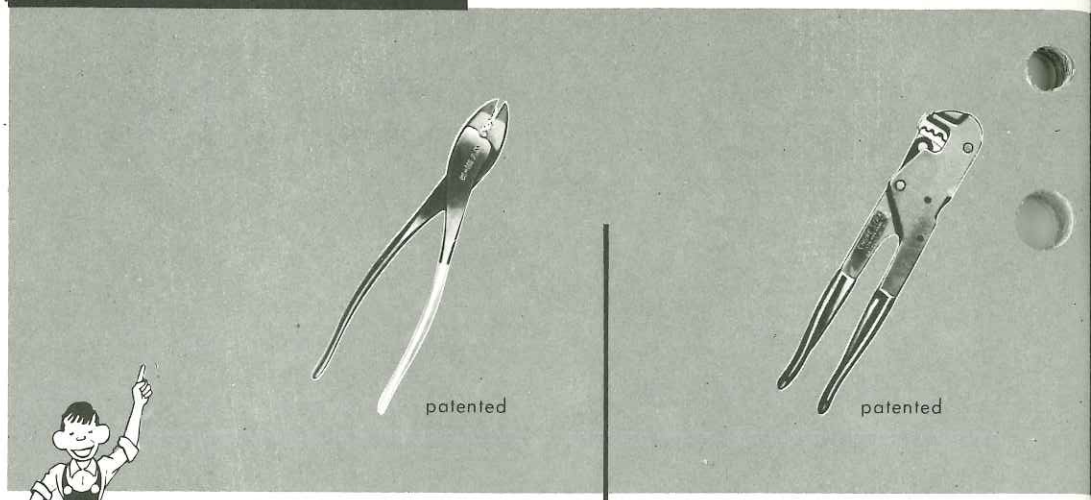
The long life and superior performance of Sta-Kon terminals and connectors depends largely upon use of the correct tool during installation. There is a specially designed T&B installing tool for every Sta-Kon terminal from the smallest to the largest size, insulated and uninsulated. Tools are offered in a variety of styles—from the simple-to-use hand plier type to the heavy duty high speed hydraulic production type.

It is this combination of correct terminal and correct tool which assures ease of installation as well as a high degree of mechanical and electrical performance.

tool selection

The tools illustrated on the preceding pages are considered to be the most versatile tools for installing the terminals or connectors tabled. You will see on pages 46-47 that alternative tools are appropriate for many specific requirements.

hand tools



plier type

for sizes A, B and C.

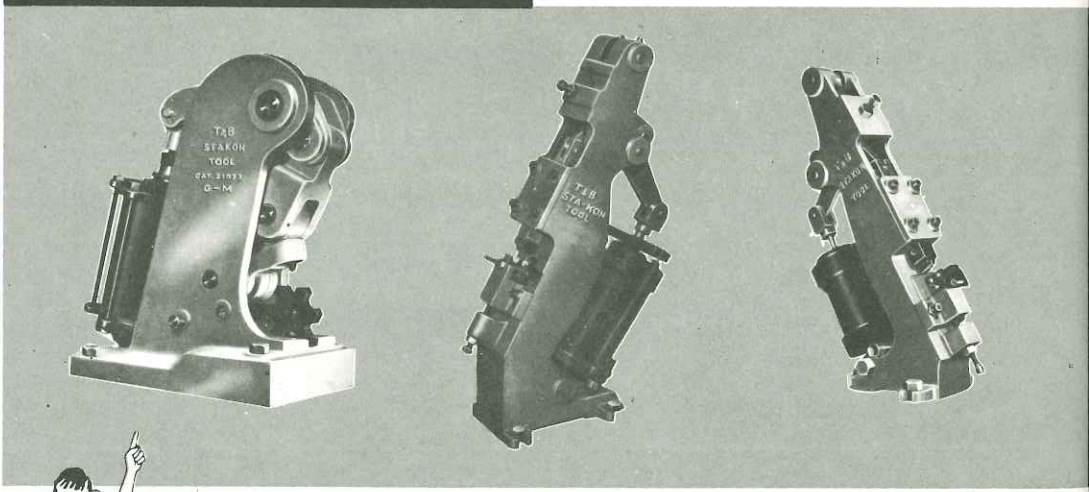
Plier type tools are available in a wide variety of styles for easy installation of any 22-10 wire Sta-Kon terminal by hand.

Shure Stake® tool

for sizes A, B and C.

Automatic perfection is assured through built-in ratchet and pawl device which holds terminal until compression is complete. High staking power is produced with little hand pressure.

bench tools

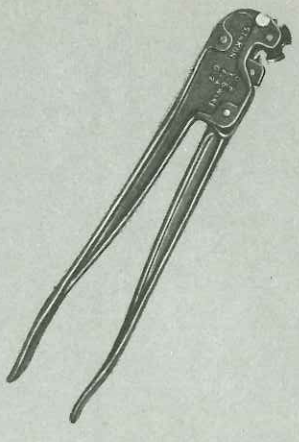


air powered bench type

for sizes A through M.

These heavy duty, high speed production tools operate on standard shop air pressure of 60 to 125 psi. With various dies, each tool will install several sizes and types of insulated or uninsulated terminals.

patent pending



100 to 1 tool

for sizes A, B and C.

This unique tool with the power of hydraulic operation is small and light enough to be hand held. It develops 100 pounds pressure for every ounce of its 40 ounce weight. It uses shop air pressure, hand or foot triggering, open or closed die yoke. Interchangeable dies make it a universal tool.

toggle type

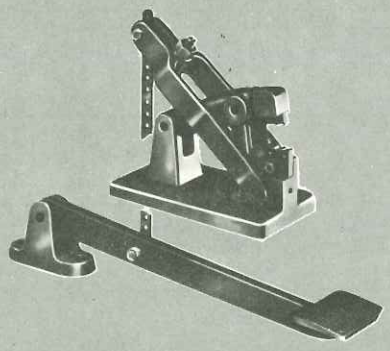
for sizes D, E, F and G.

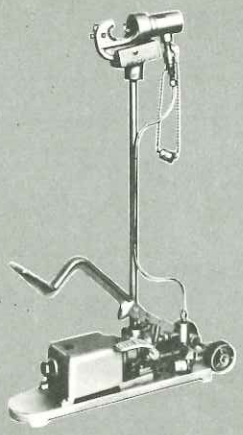
Straight handle type toggle tools are suitable for the middle size range of terminals.

toggle type

for sizes G through M.

Light weight ratchet tool with quadrant gear develops high power for installation of the largest size terminals.





foot power bench type

for smallest sizes—A, B and C.

The 21016 foot power tool is the ideal way to obtain bench tool production speed at low cost where air is not available. With its various dies it offers great versatility in the installation of small size terminals.

portable hydraulic assemblies

for sizes RD through RM insulated—
D through M uninsulated.

The 11030 Sta-Kon assembly is a complete self-contained, seven ton system—foot pump, hose and head—mounted on a portable stand. Foot operated, it is designed to install all large size insulated or uninsulated terminals.

Automatic, remote control, electrically actuated power units are also available for this assembly.

size guide

terminal size	AWG wire range	wire diameter
A	22-18	.025-.052
AB	18-14	.025-.080
B	16-14	.032-.080
C	12-10	.051-.125
D	9-7	.123-.154
E	6-5	.169-.210
F	4-3	.219-.261
G2	2	.267-.297
G	1	.298-.355
H	1/0	.351-.390
J	2/0	.379-.440
K	3/0	.431-.500
L	4/0	.491-.557
M	250 MCM	.549-.622

hand tools

terminal type	stake	terminal size	plier type catalog number	Shure Stake catalog number	toggle type catalog number
uninsulated	single	A,B,C	WT111M	WT131	
	single	D,E,F		WT172 (D only)	WT115*
	single				
	single	G-M			WT127G-M
uninsulated	double	A,B		WT130, WT174	
	double	B,C		WT130, WT175	
	double	D,E,F			WT149*
insulation grip	single	AG,BG,CG	WT110M (AG, BG only)	WT135	
insulation grip	double	AG,BG,CG		WT138	
flag	single	AB,C	WT119		
	single	D,E,F,G			WT129*
	single				
	single	G-M			WT127+21657 dies
flag	double	AB		WT175	
	double	C		WT174	
	double	D,E,F,G			WT169*
insulated wire joints		RB4	WT181	WT132	
		RC6	WT181	WT133	
		PT60M,PT70	WT111M		
		PT80	WT161		
uninsulated connectors		A,B,C	WT111M	WT131	
		D,E,F,G		WT172 (D only)	WT115*
self-insulated		RZ	WT162		
		RA,RB,RC	WT152	WT145	
insulated two-way		RA,RB,RC	WT105M		
railway signal	single	SIG14B	WT103	WT139	
		SIG9C	WT103	WT140	
STA-KON junior	double	V		WT134	
heater wire		NW20,NW50		WT137	
		NW80		WT137	
disconnects	single	A,B,C	WT110M	WT135	

grounding sheath connectors (see pages 40-41)

*Use WT116 adapter for bench mounting

production tools

terminal size	foot-powered tool only 21016 catalog number: tool & die	foot-powered: die only	air-powered tool only 21017: tool & die	air-powered: die only	air-powered tool only 21022: tool & die	air-powered: die only	air-powered tool only 21018: tool & die	air-powered: die only	air-hydraulic 100-to-1 tool only 11901: tool & die	air-hydraulic: die only	hydraulic tool only 11029: tool & die	hydraulic: die only
A,B,C D,E,F D,E,F,G G-M	21060	21637	21070	21637	21687 21072	21637† 21640	 21073* 21073	 21628* 21628	11931	11950	 11031* 11031	 21064 21019* 21019
A,B,C D,E,F,G G-M	21676	21625	21677	21625	21725 21697	21625† 21631	 21699	 21629	11933	11951	 11039* 11038	 11050* 21013
A,B C	21060G	21638	21070G	21638	21688	21638†			11939 11939	11954 11954		
A,B,C									11941	11955		
AB,C D,E,F,G J,K,M G-M	21060	21637	21070	21637 21031	21687 21689	21637† 21031	 21626				 11032	 11065
AB,C D,E,F,G G-M	21676	21625	21677	21625	21725 21698	21625† 21630	 21727	 21627			 11037	 11049
RB4,RC6		21038	11947	11949	11948	11949			11945	11960		
A,B,C D,E,F,G	21060	21637	21070	21637	21687 21072	21637† 21640	21073 (G only)	21628 (G only)	11931	11950	11031 (G only)	21019 (G only)
RA,RB,RC	21678	21634	21728	21634	21729	21634†			11935	11952		
RA,RB,RC		21038										
V	21679	21034M	21686	21034M								
A,B,C	21060G	21638	21070G	21638	21688	21638†			11939	11954		

†requires 21639 adapter block

WIRE SIZE			individual strands		whole conductor		Use Sta-Kon Cat. Nos. Beginning
AWG. No.[1]	Air Force-Navy aircraft[2]	Navy shipboard[3]	No.	diam. ins.	cir. mil. area	diam. ins.	
22		3/5 (1)	1	.025	642	.025	A
22		3/5 (7)	7	.010	703	.030	AB
	AN-22		7	*	704	.032	
		½ (21)	21	.005	525	.028	
20		1 (1)	1	.032	1,022	.032	
20			7	.012	1,024	.036	
20			10	.010	1,005	.040	A
20			19	.007	1,022	.037	AB
20			26	.006	1,034	.039	
	AN-20		7	*	1,119	.040	
		1 (7)	7	.013	1,119	.038	
		1 (10)	10	.010	1,005	.038	
		1 (26)	26	.006	1,034	.042	
18		1½ (1)	1	.040	1,624	.040	
18		1½ (7)	7	.016	1,624	.049	A
18		1½ (16)	16	.010	1,608	.049	AB
18			19	.009	1,624	.046	
18		1½ (41)	41	.006	1,630	.049	
	AN-18	2 (7)	7	.016	1,779	.048	
16		2½ (1)	1	.051	2,583	.051	
16			7	.019	2,583	.058	AB
16			19	.012	2,601	.058	B
16			26	.010	2,613	.059	
16			65	.006	2,580	.058	
	AN-16	2½ (19)	19	.011	2,407	.061	
		2½ (26)	26	.010	2,613	.061	
14			1	.064	4,107	.064	AB
14			7	.024	4,107	.073	B
14			19	.015	4,107	.074	
14			37	.011	4,107	.074	
14			14	.009	4,157	.083	C
14			104	.006	4,128	.074	
	AN-14		19	*	3,830	.076	AB
		3 (7)	7	.020	2,828	.060	B
		3 (19)	19	.013	3,036	.063	
		4 (1)	1	.064	4,107	.064	
		4 (7)	7	.025	4,497	.076	
		4 (19)	19	.014	3,828	.072	
		4 (41)	41	.010	4,121	.077	

WIRE SIZE			individual strands		whole conductor		Use Sta-Kon Cat. Nos. Beginning
AWG. No.[1]	Air Force-Navy aircraft[2]	Navy shipboard[3]	No.	diam. ins.	cir. mil. area	diam. ins.	
12			1	.081	6,530	.081	
12			7	.031	6,530	.092	
12			19	.019	6,530	.093	
12			37	.013	6,530	.093	
12			49	.012	6,593	.104	C
12			65	.010	6,533	.093	
12			104	.008	6,574	.094	
12			165	.006	6,559	.095	
	AN-12	6 (19)	19	.018	6,088	.096	
		6 (7)	7	.031	6,512	.092	
		6 (65)	65	.010	6,533	.097	
10			1	.102	10,380	.102	
10			7	.039	10,380	.116	
10			19	.023	10,380	.117	C
10			37	.017	10,443	.117	
10			49	.015	10,445	.131	D
10			104	.010	10,452	.116	
	AN-10		37	*	10,380	.117	
		9 (7)	7	.036	9,016	.108	C
		9 (37)	37	.016	9,402	.109	
		9 (90)	90	.010	9,045	.120	
9			7	.043	13,090	.130	
		14 (7)	7	.045	14,340	.136	
8			7	.049	16,510	.146	
8			19	.030	16,510	.148	D
8			37	.021	16,510	.148	
7			1	.144	20,820	.144	
		14 (7)	7	.045	14,340	.136	
		14 (140)	140	.010	14,070	.145	
6			7	.061	26,250	.184	
6			19	.037	26,250	.186	
6			37	.027	26,250	.186	E
6			49	.023	26,146	.208	
6			661	.006	26,274	.259	F
5			1	.181	33,100	.181	
		20 (49)	7x7	.020	19,800	.180	
		23 (7)	7	.057	22,800	.171	
		23 (228)	19x12	.010	22,190	.190	E
		26 (49)	7x7	.023	26,250	.210	

[1]Commercial Wire Tables.
[2]MIL-W-5086
[3]MIL-E-16366 A
*Strand diameter not specified.

WIRE SIZE			individual strands		whole conductor		Use Sta-Kon Cat. Nos. Beginning
AWG. No.[1]	Air Force-Navy aircraft[2]	Navy shipboard[3]	No.	diam. ins.	cir. mil. area	diam. ins.	
4			7	.077	41,740	.232	
4			19	.047	41,740	.235	
4			37	.034	41,740	.235	
3			1	.229	52,630	.229	F
		30 (304)	19x16	.010	30,550	.220	
		33 (336)	7x48	.010	33,370	.235	
		40 (19)	19	.045	38,910	.226	
		42 (49)	7x7	.029	41,740	.260	
		42 (209)	19x11	.014	42,110	.260	
		50 (19)	19	.051	49,080	.254	
2			7	.097	66,370	.292	
2			19	.059	66,370	.296	G2
2			37	.042	66,370	.297	
2			49	.037	66,356	.331	
2			133	.022	66,140	.335	G
	AN-2		663	*	66,832	.345	
		53 (532)	19x28	.010	53,470	.304	
		60 (37)	37	.040	60,090	.282	G2
		60 (304)	19x16	.014	61,260	.310	
		66 (133)	19x7	.022	66,370	.330	G1
		75 (37)	37	.045	75,780	.317	
1			7	.109	83,690	.328	
1			19	.066	83,690	.332	
1			37	.048	83,690	.333	
1			61	.037	83,690	.333	
1			133	.025	83,690	.377	
1			259	.018	83,916	.378	H
	AN-1		812	*	81,807	.384	
		83 (418)	19x22	.014	84,230	.380	
		84 (2107)	2107	*	83,690	.410	J
1/0			7	.123	105,500	.368	
1/0			19	.075	105,500	.373	H
1/0			37	.053	105,500	.374	
1/0			61	.042	105,500	.374	
1/0			133	.028	105,761	.423	
1/0			259	.020	105,672	.424	J
	AN-0		1033	*	104,118	.432	
		100 (61)	61	.040	99,060	.363	H
		105 (259)	37x7	*	105,500	.410	J
		105 (2646)	2646	*	105,500	.460	K
2/0			7	.138	133,100	.414	
2/0			19	.084	133,100	.419	
2/0			37	.060	133,100	.420	J
2/0			61	.047	133,100	.420	
2/0			133	.032	132,800	.474	
2/0			259	.023	133,462	.477	K
	AN-00		1327	*	133,665	.490	
		125 (61)	61	.045	124,900	.407	J
		133 (259)	37x7	*	133,100	.460	K
		133 (684)	19x36	.014	137,800	.480	
		133 (3325)	3325	*	133,100	.520	L
		150 (61)	61	.051	157,600	.457	
3/0			7	.155	167,800	.464	K
3/0			19	.094	167,800	.470	
3/0			37	.067	167,800	.471	
3/0			61	.052	167,800	.472	
3/0			133	.036	167,607	.533	
3/0			259	.026	167,402	.536	L
3/0			4227	.006	168,023	.610	M
		150 (760)	19x40	.014	153,100	.510	
		168 (427)	61x7	*	167,800	.520	
4/0			7	.174	211,600	.522	L
4/0			19	.106	211,600	.528	
4/0			37	.076	211,600	.529	
4/0			61	.059	211,600	.530	
4/0			133	.040	211,736	.599	
4/0			259	.029	211,845	.601	M
	AN-000		1661	*	167,332	.548	
		200 (61)	61	.057	198,700	.514	L
		200 (988)	19x52	.014	199,100	.580	M
250,000			19	.115	250,000	.574	
250,000			37	.082	250,000	.575	
250,000			61	.064	250,000	.576	M
250,000			91	.052	250,000	.576	
	AN-0000		2104	*	211,954	.615	
		220 (259)	37x7	.029	220,700	.610	
		250 (61)	61	.064	250,500	.577	

[1]Commercial Wire Tables.
[2]MIL-W-5086.
[3]MIL-E-16366 A.
*Strand diameter not specified.

your T&B distributor serves and saves.

cat. no.	page
#7	43
#8	43
#23	43
#24	43
#26	43
A7	8
A7F	8
A7G	22
A7GF	22
A7GH	22
A7GS	22
A7GU	22
A7H	8
A7S	8
A7U	8
A8	26
A20	22
A20G	22
A20GF	22
A20GH	22
A20GS	22
A20GU	22
A29	24
A29G	24
A34	38
A34G	38
A35	26
A38	26
A39	26
A50	43
A64	24
A64G	24
A66	35
A67	35
A68	35
A71	8
A71F	8
A71G	22
A71GF	22
A71GH	22
A71GS	22
A71GU	22
A71H	8
A71S	8
A71U	8
A72	8
A72F	8
A72G	22
A72GF	22
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A72GS	22
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A73U	8
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A74GF	22
A74GH	22
A74GS	22
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AA4	43
AB51	34
AB52	34
AB53	34
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B126F	8
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B126GH	22
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B178U	8
B415	39
B416	39
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